











# Standard Blank Book

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Kellip + Smith

1926-27



Kellip + Smith

N+S

FB

23216-23829 <sup>page</sup> 102-136

26455-28215 p.1-102







- 26455 *Salvia* H caudex subt.  
 26456 *Polypodium* H or up to 6"  
 26457 *acanth.* E H  
 26458 *gesner.* H 1-2' cor. w. prox. pale bl.  
 26459 *Palicourea* U. U. dist with deeper spots in.  
 26460 *gesner.* S 10-12' fr. br. r.; cal. pale  
 26461 *Bactris* H 2-3' cal. & cor. pale y.;  
 26462 *ml.* H 2-3' fr. deep pur.  
 26463 *minis.* H caudex 5-1' fr. at base of lvs;  
 26464 *Casuarina?* H 2-3' lvs (incl. pet.) 10-12";  
 26465 *Peperomia* S 12-15' fr. deep r.  
 26466 *gesner.* T 12-20' lvs. gnats. w.  
 26467 *Selaginella* T 12-18' pet. w.  
 26468 *Peperomia* E H  
 26469 *melast.* H 1 woody, cal. dull o.;  
 26470 *brautia* H slender, 2-4' cor. br. o.  
 26471 *"mango"* H  
 26472 *Miconia* S 3-6' pet. pale y.; ant. br. y.  
 26473 *?* P S cal. fr. deep r. to pur.  
 26474 *Eupatorium* T spreading, b. y. pet. pale y., lighter  
 26475 *solau.* T 30-50' within prox.  
 26476 *?* T 15-20' fr. deep pur.  
 26477 *Psychotria* S slender, fr. deep r.  
 26478 *Piper* T 4-7' cor. u.  
 26479 *Piper* H 2-3' spreading, cal. & cor. g.;  
 26480 *grass* S 8-12' fr. br. r.;  
 26481 *Clidemia* H 3-5' stem cor. pale y.  
 26482 *melast.* S 12-15' fr. br. bl.  
 26483 *melast.* S 10-15'  
 26484 *Cordia* T 10-15' slender  
 26485 *ml. Ficus* H 2-4' I woody, cal. deep r.; ant. & fil. w.;  
 26486 *melast.* H 1-2' fr. br. bl.  
 26487 *Piper* S 10-12' fr. deep pur.  
 26488 *rub.* S 6-8' cal. p.; lvs. gnats. w.;  
 26489 *apoc.* S 1-2' young fr. p.  
 T 1-2' H 1-2' lvs. of inf. o. p.;  
 S 4-12' slender, fr. deep r.  
 T 12-15' slender, pubesc. faint p.  
 T 10-15' slender, fr. br. bl.  
 T 15-20'

July 14 dense forest

Puerto Benmudig 375m.

thicket along river  
e. of d. S.

d. S.



- 26490 "barbasco" (cube) "cañafi" S. <sup>see notes</sup>  
 26491 ? <sup>15-20' fr. directly from trunk</sup>  
 26492 Vittaria T. <sup>trans. elong. lvs. at ends only</sup>  
 26493 int. F. H.  
 26494 "barbasco" T. <sup>15-20' fr. 9.</sup>  
 26495 fal. ? T. <sup>slender, apparently wild</sup>  
 26496 Rub. H. <sup>2-3' ~~fr. 9.~~ w. longish w.; stem & ped. w. to pale y., deeper dist.</sup>  
 26497 Teramnus S. <sup>3-5' Dr. or.</sup>  
 26498 Selaginella HV <sup>Pet. light bl.</sup>  
 26499 Cecropia "unchopani" [Chunche] H <sup>2-4'</sup>  
 26500 ~~Rub~~ Logau. T <sup>50-70'</sup>  
 26501 "cañafi" "barbasco" H <sup>erect 4-5' woody Cor. tube or proe</sup>  
 26502 ? WV <sup>slender 3" thick</sup>  
 26503 Miconia S. <sup>slender 10-15' Pet. w, fr. black</sup>  
 26504 ? S. <sup>slender 25-30' Dr. directly from larger branches</sup>  
 26505 Hep. On lvs of 26504  
 26506 ? T <sup>12-15' Dr. dull r.</sup>  
 26507 Rub. ? Rinorea S <sup>8-12' Bush only</sup>  
 26508 Hep. On twigs  
 26509 Moss On dec. logs  
 26510 Piper S. <sup>slender, erect, ± 3'</sup>  
 26511 Danaea H  
 26512 Acauth. H <sup>erect ± 3' Lvs deep purp base, bracts light gr</sup>  
 26513 Piper T <sup>12-15'</sup>  
 26514 Rube. Nela S <sup>10-12' Br. inf. 2, incl, drooping</sup>  
 26515 Palm T <sup>slender trunk 6-8' Pr. r.</sup>  
 26516 Zectaria H  
 26517 Gesner. H <sup>erect ± 3' Cor. o. r.</sup>  
 26518 Asplenium EH  
 26519 Orchid CH <sup>erect 10-15' l. Per. seg. y. lip red. blotched prox. in</sup>  
 26520 ? S <sup>erect 8-10' Infl. whitish</sup>  
 26521 ? S <sup>erect 8-10' Pls. cream w</sup>  
 26522 Calathea H <sup>± 3' Per w</sup>  
 26523 Mushroom On dec. logs Pl. wh  
 26524 Piper S <sup>8-10'</sup>

July 14 thickets in deserted overgrown clearing d. S.

15 dense forest

gr, y at margin

P.B.

{ PL. K B-82  
Ph. S 16-19.



26525	Rub	S 5-6'	Cor. guth w
26526	Davilla	S or 2m. T 10-12'	Rub. gr.
26527	"Cariapi", "barbasco"	WV	Stem + 2" thick
26528	Miconia	T 15-20'	
26529	Gesner.	H rep. on forest floor	
26530	Scleria	H	
26531	Tringus	On log	Pl. sakun pi.
26532	Palu	Pl. 7-10'	Per. w
26533	Acanth.	H + 2.5'	Br. light gr.
26534	Rub.	S slender + 4'	Dr. or.
26535	Clidemia	H + woody 2.5-3'	Dr. bright bl
26536	Gesner.	S 3-4'	Infl. or. - r
26537	Trichomanes	H or	
26538	<del>Peperomia</del> <i>canva?</i>	H ter. lvs. sark w above pup. ben.	
26539	?	T 15-20'	Infl. gr. - wh
26540	Palu	T 8-10'	Infl. brown just below ground
26541	Cyperac -	H	
26542	Rub.	S	Dr. dark brsp.
26543	Polypodiace	H climbing tree trunk	
26544	Clidemia	S low 2.5-4'	Dr. bright r
26545	Asplenium	EAH	
26546	Moss	On dec. log	
26547	Moss	" "	
26548	Mysminac.?	T 15-20'	Infl. gr. - wh
26549	Adiantum	H	
26550	Cyathia	cancl. 3-8'; slender TF 8' lvs. 1.5', br. 3'	
26551	Clidemia	H + woody bel. Petr.	
26552	Moss	On dec. log	
26553	?	T 15-20'	Infl. near base of trunk
26554	?	T 15-20'	
26555	Trichomanes	Rep on tree trunk	
26556	Polypodiace	E H rep. on tree	
26557	Melast.	H + woody 1.5'	
26558	Rub.	S 5-6'	Br. infl. deep pi
26559	?	H climbing tree trunk; lvs. abnormal & etc	

July 15 dense forest P. Bermudez



26560	? cube?	W.V.	See notes
26561	Palaeorea	T 10-12'	Br. infl. deep hi.
26562	<del>Rub. Hollinaria</del> <sup>Armon.</sup>	T 12-15'	Br. infl. <sup>red</sup> each
26563	<del>Myrsineae</del> ?	T 10-15'	Cor. cream w
26564	?	T 15-18'	Fl. old
26565	Philodendron	H to	
26566	Tectaria	H	
26567	Rub.	S 5-6'	Bract (?) deep pink
26568	Grass	H	
26569	Acauth.	H	Bract cream w
26570	Piper	N <sup>± 1.5'</sup> <sup>± woody</sup>	
26571	Polygodium	H <sup>ref. on</sup> <sup>trip</sup>	
26572	Fern	H <sup>climbing</sup> <sup>on small tree</sup>	
26573	?	T	
26574	Dryopteris	H <sup>under 2'</sup>	
26575	Ricophyllum	H	
26576	Philodendron	H <sup>climbing</sup> <sup>on tree</sup>	
26577	<del>Philodendron</del> <sup>Centropogon</sup>	H <sup>erect</sup> <sup>± 3'</sup> "	Cor. tube light r st. tube y, anther gr.
26578	Philodendron	"	
26579	Philodendron	"	
26580	Philodendron	"	
26581	Centropogon	H <sup>erect</sup> <sup>± 3'</sup>	Cor. tube light r st. tube y, anther g
26582	Psychotria	H <sup>erect</sup> <sup>± 3'</sup> <sup>woody</sup> <sup>bul.</sup>	Br. infl. o fr. bright red
26583	Psychotria	S 5-6'	Br. infl. pink; fr
26584	Palu	Pl <sup>± 6'</sup> <sup>Fr. 1.5' h., 1' w.</sup>	
26585	Mushroom	On dec. log	Pl. olive gr, w-stained
26586	Piper	H <sup>± 2'</sup> <sup>woody</sup> <sup>bul.</sup>	
26587	Orchid	E.H. <sup>probably</sup>	Bract pi.
26588	Peperomia	H <sup>ref. on</sup> <sup>tree</sup>	
26589	Monnina	H <sup>ref.</sup>	
26590	Acauth.	H <sup>erect</sup> <sup>2-3'</sup>	Cor. pinkish w
26591	Ruellia	H	Cor. tube light pi, lobes
26592	Trichomanes	E.H.	Cor. pinkish - bl.
26593	Mungus	On log	Pl reddish br.
26594	<del>Mushroom</del> Palu	On <del>log</del>	Pl <del>at</del>

July 15 Dense forest

P. Bernudes

deep pink

clearing  
dense forest



- 26595 ? "Copal" <sup>Artemisia a pitched wood for canoeing</sup>  
 26596 *Tringus* <sup>On log</sup> Pl. pi.  
 26597 ? "Conapi" "Barbasco" young Pl. 2-4' Euph  
 26598 *Acalypha* S 8-10' Styles dark pi  
 26599 *Bauhinia* V ± woody Pet. light pi.  
 26600 *Eupatorium* H 2-3' Cor tube light w lobes gr.  
 26601 *Acanth.* H Cor. w  
 26602 *Grass* H ± 2'  
 26603 *Ipomoea* HV Fubes rich pi lobes pale w  
 26604 *Anthurium* EH  
 26605 *Solanec?* HV Cor rich pi, anther w  
 26606 *Cucurb.* HV Cor. light y  
 26607 *Passiflora* HV No fls  
 26608 *Brasica* "barbasco" mats H ± woody 2-6' <sup>in under shrub</sup>  
 26609 *Erythroxylon* "Coca" S 2-3' Fr. or  
 26610 *Leg.* HV Fr. woody  
 26611 *Acanth.* H ± 2' Cor. w  
 26612 ? "Conapi" "barbasco" S ± 7', stem thin bending towards tree 3' distant or  
 26613 *Palicourea* T 20-25' Br. infl. light y  
 26614 *Cecropia* "lobata" T 40-60' Lvs to 2' x 1.5'  
 26615 *Manettia* HV  
 26616 *Eupatorium* H 2-3.5' Cor tube light gr lobes + sty light pi  
 26617 *Moss* On bank  
 26618 *Nelast.* H <sup>far fr.</sup> <sup>thence going over bemb.</sup> Pet pale pi  
 26619 *Oxalis* HV Pet. light y  
 26620 *Ipomoea* HV Fubes quite w out, pink lobes w  
 26621 *Acanth.* S erect ± 3' Cor. <sup>pinkish or</sup>  
 26622 *Malv.* S erect 3-5' Pet. y  
 26623 *Cyperus* H  
 26624 *Dichrocnema* H Infl. w  
 26625 *Poa* H 2-3' Cor. light bl  
 26626 *Arag.* H <sup>er</sup>  
 26627 *Ipomoea* HV tube light pi lobes rich pi  
 26628 *Heliotropium indicum* H Cor. pinkish bl  
 26629 *fat? Capparis* S 8-10' <sup>det. dr. w.; fl. faint.</sup> dull purish brown

July 15 Dense forest P. Bermudez

Cult. at chaera near P. Bermudez  
 16 thickets

thickets

Dense forest

in abandoned chaera, ± 10 plants

± 8 plants, 2 yr. old.  
 climbing to height of 25'  
 dense forest

Pl K, B-81

Pl K, B-82 (left)

open clay banks of Pichu River

clearing  
 thickets



- 26630 ? malp.  
 26631 *Iresine*  
 26632 *Solan.* ~~but~~ *Siparuna*  
 26633 *Asplenium*  
 +26634 *Phyllodeudra*  
 26635 ? *Solan.*  
 26636 *Peperomia*  
 26637 *Polystichum*  
 26638 ?  
 26639 *Pteris*  
 26640 *Phyllodeudra*  
 26641 ? mb.  
 26642 *Begonia*  
 26643 ?  
 26644 grass  
 26645 *Piper*  
 26646 *pat. acanth.*  
 26647 *Polypodium*  
 26648 *Melastomaceae*  
 26649 *Dryopteris*  
 26650 *acanth.*  
 26651 mb. *Solan.*  
 26652 *Polypodium*  
 26653 ?  
 +26654 *acanth.*  
 26655 ?  
 26656 ?  
 26657 *Peperomia?*  
 26658 orchid  
 26659 melast.  
 26660 melast.  
 26661 *Piper*  
 26662 ? *malp.*  
 26663 cucurb.  
 26664 ?

- H.U. pet. br. y  
 H.U. pet. gnath. w.  
 H. buds w.  
 H.  
 E.H. fr. deep pur.  
 S 4-7' pet. w.; ant. y.;  
 fr. br. o.  
 E.H.  
 E.H. climbing fr. (incl. st.)  
 up tree trunks 3-5' l  
 T 20-40' fr. p.  
 H 3-5'  
 H.  
 E.H. br. o.  
 T 12-15' fr. y.  
 H.U. pet. gnath. w.;  
 S 12-15' ant. y.  
 fr. becoming deep p.  
 H 2-3'  
 H slender.  
 S 4-6' ~~pet. w.~~ *pet. w.* ting.  
 S 6-8' with pur. in prov.  
 E.H.  
 slender trunk, bran. pet.  
 T elong + droop. 20-30' net p.  
 H.  
 cor. w.; lip faintly  
 H slender lined with bl.  
 S 3-5' fr. br. o.  
 H.  
 H 2-3' buds pur.  
 H 1-2' cor. w.  
 H 8-12' buds gnath. w.  
 T 30-40' buds gnath. w.;  
 fr. y.  
 H.  
 H ter. per. seg. w., ting. w.  
 deep p.  
 H. bran. up with + fr.  
 net p.  
 H. pet. w.  
 S 10-12'  
 S 6-8' fr. w.  
 H.U. cor. br. o.; ant. y.  
 S 8-12' cal. cor. w. yellowish;  
 pet. w.; stig.

July 16 thicket

Puerto Benamudez

dense forest

ant. y.; ovary + stig.; stig. o.



- 26665 *Nicotia* T 20-25' fr. deep pur.  
 26666 *rub.* S slender fr. w.  
 26667 *Phyllodendron* E H  
 26668 *Phyllodendron* E H  
 26669 *acanth.* A pet. cor. w. to pale bl.  
 26670 *aroid* E H  
 26671 *aroid* H ter. spathe + spadix w.  
 26672 *Centropogon* H 1-3' cor. br. r.; stig. pur.  
 26673 *Passiflora* H. V. over old young br. g. box, f. dist.  
 26674 *Piper* S 3-5'  
 26675 ? S slender, pet. w.; ant. y.  
 26676 *Piperania* E H  
 26677 *stere.* S 4-6' pet. w.; ant. y.  
 26678 *Mushroom* Stem brown, cap. or. above, y. ben.  
 26679 *Asplenium* E H  
 26680 *Mimosa* S to 9' along br. Pet. green w. fies. <sup>minute</sup> <sup>with</sup> g.  
 26681 *Cleome* H subco. woody hol. fls. gr.  
 26682 *Polygonum* H 2-3' Seps w.  
 26683 *Pasipha pupenovic* HV "chinchicóm" [chunchu]  
 26684 *Nicotia* T 10-15' Pet. + fies. w.; fr. pi.  
 26685 *Centropogon* H 1.5-2' Cor. pi.  
 26686 *Acanth.* H Cor. w.  
 26687 *Biophytum* H Pet. cream w.  
 26688 *Acanth.* H Cor. pi. out, lobes blue in  
 26689 *Grass* H  
 26690 *Tectaria* H  
 26691 *Orchid* E H  
 26692 ? "Cáñfi" "barbari" S 3-5' 4 yr old but cut back 25 plants  
 26693 *borag.* H cor. w.  
 26694 ? S spreading, fr. y. to w.  
 26695 *Mimosa* T spreading, 10-15'  
 26696 *Dioclea* U. V. pet. pale bl.  
 26697 ? T spreading, pet. + ant. cr. w.  
 26698 *sedge* H on rocky beaches.  
 26699 *grass* H 5-15' h.

July 16 dense forest

Puerto Benmudy

cleaning  
d. S.

17

thickets along river

said to have blue &amp; white fl. &amp; edible fr.; fls. in rainy season.

dense forest

18

wooded banks of Pichis River, bet. P. Benmudy &amp; Calucapanas

cult. at Jumbo Pantri ("Jurifo")  
w. b. of P.R. bet. P.B. & Caluca.Ph. S. 16-25, 26  
K, B-88

Ph. S. 24-11



- |       |                     |                               |                          |
|-------|---------------------|-------------------------------|--------------------------|
| 26700 | <i>Psychotria</i>   | T fallen                      |                          |
| 26701 | sedge               | H.                            |                          |
| 26702 | grass               | H                             |                          |
| 26703 | <i>Serjania</i>     | HU                            | pet + sta. w.            |
| 26704 | aroid               | EH                            | spathe q.; spadix w.     |
| 26705 | <i>Peperomia</i>    | EH                            |                          |
| 26706 | aroid               | EH                            |                          |
| 26707 | <i>Ipomoea</i>      | H. U.                         | cor. pale pur.           |
| 26708 | <i>Oxalis</i>       | H 1-3'                        | pet. y.                  |
| 26709 | ? solan.            | S 6-8'                        | cor. cr. w.              |
| 26710 | munio.              | T spreading,                  |                          |
| 26711 | ?                   | 20-30'                        | remedy for sore eyes     |
| 26712 | barbasco            | H                             | young plants             |
| 26713 | <i>Psychotria</i>   | S slender                     | cor. gr. w.;             |
| 26714 | ?                   | S 3-4' erect                  | f. w.                    |
| 26715 | ?                   | S 10-12'                      | young fr. q.             |
| 26716 | ?                   | U. U.                         | f. br. r.                |
| 26717 | Palm                | S 10-12'                      | young fr. q.             |
| 26718 | ?                   | Cand. erect 2-4', 8-10' diam. |                          |
| 26719 | Rub.                | Stems 6-8'; lvs 6-8'          | br. deep r.              |
| 26720 | Sapot.?             | S 10-12'                      | br. deep rose            |
| 26721 | Rub.                | S 1'                          | Pet. (?) gr.             |
| 26722 | Palm "tenuistachya" | S 3-4'                        | br. or. - r.             |
| 26723 | Rub.                | Cand. 6-1.5'                  | br. gr. - w.             |
| 26724 | Piper               | S 1.5-2'                      | br. light pi.            |
| 26725 | Piper               | S slender                     | cor. blue                |
| 26726 | <i>Lasiacis</i>     | S 3-5'                        |                          |
| 26727 | Moss                | S 6-8'                        |                          |
| 26728 | Lesner.             | H 5-8' elong.                 |                          |
| 26729 | Mugil.?             | Ordec. log                    |                          |
| 26730 | <i>Claviger</i>     | WV                            | Br. bright r, cor pale y |
| 26731 | <i>Cordia</i>       | T slender                     |                          |
| 26732 | Rub.                | T 10-15'                      | br. y                    |
| 26733 | ? <i>Mugil.</i>     | S erect stem 3-5'             |                          |
| 26734 | Uelant.             | S 6-10'                       | Cor. w                   |
|       |                     | T slender                     |                          |
|       |                     | T 15-20'                      |                          |
|       |                     | S 8-12'                       | Pet. gr.                 |
|       |                     | H                             | br. light blue           |

July 19 wooded banks of Pichiro R., bet P. B. & Caluapana

20

Caluapana

Cleaning cults  
dense forest



- 26735 ? 83-4' Tr. deep r.  
 26736 *Asplenium* EN  
 26737 *Piper* H  
 26738 *Piper* S 10-15'  
 \* 26739 *Picramnia* S 5-8' fls. green  
 26740 ? H Cor. purple (faded)  
 \* 26741 *Adiantum lucidum* H  
 \* 26742 *Clavija* S 3-5' erect stem 3-5'  
 26743 *Legum.* S 5-8' erect stem 3-5' at summit  
 26744 ? *Laur.*? S 3-5' high 4" diam. 20-30' T. single tr. 4" diam. 20-30' fls. green on main tr., Cor. w. summit  
 26745 *Menanthe* S 15-20' pet. rich p.; anthers y.  
 26746 *Henitelia* 1. f. caudex 1.5-2'; st. 12';  
 26747 *Miconia* S 5-7' pet. w.; fr. deep r.  
 26748 *Costus* H 17' br. deep r.; per. rich p.  
 26749 *Scleria* H  
 26750 *Piper* S 8-10'  
 26751 ? S 10-12' pet. w.  
 26752 *Phyllodendron* E H  
 26753 *Begonia* H subcaud. pet. w.; anthers y.  
 26754 *Smilax* H trailing up tree trunk  
 26755 *Byophytum* H  
 26756 grass H  
 \* 26757 grass H  
 26758 *Piper* S 8-10'  
 26759 *rub.* S erect.  
 26760 *sapind.* S 5-8'  
 26761 *Columnnea* S erect 7-8' fr. q. at center, c. at cal. o.  
 26762 *Trichanthes diversiphyllum* H ten  
 26763 *Trichanthes* E H  
 26764 *Phyllodendron* E H  
 26765 *Cucurbit.* HV  
 26766 *Rubus? Logan?* H 5-7' Cor. or r.  
 26767 *Piper* S 10-12' tube or y, lvs. gr.  
 26768 *Sanchezia* S 8-10' br. r., cor. r.  
 26769 *Leptochilus* H

July 20 Dense forest

Caluapana

wooded bank of Pichis River, Caluapana  
 P. S.



26770	Palm "divaricata"	Cand. 4-6'	Fr. black
26771	Rub.	H	Fr. only
26772	Trichomanes	H ref on	
26773	Peperomia	H ter	
26774	Melast.	H + wooly	
26775	Evea	S + 2'	Br. scented
26776	Salazilla	EH	
26777	Danaea	H	
26778	Myrsine	T 12-15'	
26779	Melast.	S 4-6'	Fr. R
26780	Rub	H ref on ground	Fr. or r.
26781	Diplazium	H	
26782	Elaphoglossum	EH	
26783	Hep	On dec. log	
26784	Piper	S 5-7'	Spikes erect
26785	Dryopteris	H	
26786	Papanea	T 12-15'	
26787	? Solan.??	S	Fr. gr.
26788	Anthurium	EH	
26789	Acauth.	H.	Cor. w
26790	Saccoloma	H	
26791	Piper	S 7-9'	
26792	Peperomia	<del>EH</del> EH	Br. R.
26793	?	T 12-20'	Fr. R.
26794	Moss	On dec. log	
26795	Lug	On WV chib. w. lvs.	Pet. pinkish w
26796	Machaerium	T 80-100'	Pet. light bl
26797	Piper	S 10-12'	
26798	Asplenium	H	
26799	Derris	H	
26800	Oxolena	H	Fr. r.
26801	?	S 2'	
26802	Marantac.	H + 3'	On cream w
26803	?	T 30-50'	? lvs compound
26804	?	S 2'	Fr. young

July 20 Dense forest

Cahuapanas



- |       |   |   |   |
|-------|---|---|---|
| 26805 | <i>Acauth.</i>  | H <sup>sturdy</sup> hel. 1              | Cor. light gr.  |
| 26806 | <i>Columna</i>  | H ter 0 spf.                            |   |
| 26807 | <i>Palu</i>   | Caulex 3-4'                             | Per. w  |
| 26808 | <i>Carludovica</i>  | EH                                      |   |
| 26809 | <i>Carludovica</i>  | EH                                      |   |
| 26810 | <i>Carludovica</i>  | EH                                      |   |
| 26811 | <i>Bihai</i>  | H <sup>3-4'</sup> 4-5'                  | Br. r, y ventrally  |
| 26812 | <i>Bihai</i>  | H 4-5'                                  | Br. r, y at unguiculus  |
| 26813 | <i>Acauth.</i>  | H                                       | Br. light gr.   |
| 26814 | <i>Acauth.</i>  | H                                       | Tube w. lobes, pinkish, red-dotted in                         |
| 26815 | <i>Acauth.</i>  | S 3-4'                                  | Br. Cor. greenish y   |
| 26816 | <i>Acquith</i>  | <del>Stout</del> H <sup>3-4'</sup> 4-5' | Cor. w  |
| 26817 | <i>Stemmadenia</i>  | HV                                      | Cor. light y  |
| 26818 | <i>Journefortia retacea</i>                                   | S 3-4'                                  | Cor. cream w  |
| 26819 | <i>Comp.</i>  | HV                                      | Fls. or.  |
| 26820 | <i>Passiflora coccinea</i>                                    | HV                                      | Fls. scarlet  |
| 26821 | <i>Isom.</i>  | H 2-3'                                  | Cor. w  |
| 26822 | <i>Bihai</i>  | H 2'                                    | See notes   |
| 26823 | <i>Rondeletia</i>   | HV                                      | Cor. bright r   |
| 26824 | <i>Grass</i>  | H                                       |   |
| 26825 | <i>Bignon.</i>  | WV                                      | Cor. rich purp. pale <sup>pink</sup>                          |
| 26826 | <i>Combretum</i>  | S 7-10'                                 | with spreading br. <sup>calyx white</sup> pet w; fil. green y |
| 26827 | <i>Argemone</i>   | H                                       | Pet. bright y   |
| 26828 | <i>Bauhinia</i>   | T 10-20'                                |   |
| 26829 | <i>Solan.</i>   | S 5-8'                                  | Cor. lobes gr. out, pi. tinged in; anthers w                  |
| 26830 | <i>Peperomia</i>  | EH                                      |   |
| 26831 | <i>Peperomia</i>  | EN                                      |   |
| 26832 | ?   | S 7-10'                                 | Cor. greenish y   |
| 26833 | <i>Anthurium</i>  | EH                                      |   |
| 26834 | <i>Clibadium</i> "barbaco" <sup>log of fr. used as fuel</sup> | S 5-6'                                  | Cor. w; anthers bl. fruit purplish black                      |
| 26835 | <i>Cordia alliodora</i>                                       | T 15-20'                                | thin. Cor. pure wh.   |
| 26836 | <i>Palicourea</i> "jabonillo" <sup>fr. used as soap</sup>     | S 2-3'                                  | Br. nipl. reddish pi  |
| 26837 | ?"barbaco" roots esp. p.                                      | S 3-4'                                  | Cor. rich pi  |
| 26838 | <i>Ipomoea</i>  | HV                                      | Pls. 2 yrs. old   |
| 26839 | <i>Clidemia</i>   | S 2-4'                                  | Cor. w  |

July 20 Dense forest

Cahuapanao

21 thickets

dense forest

22 wooded banks of Rio Pachitea, <sup>300 m.</sup> Puerto Victoria, <sup>Dept. Loreto</sup> Huancayo

23 wooded banks of Rio Pachitea bet. P. Victoria &amp; P. Leguia

in sand

thickets

23 dense forest Puerto Lira, <sup>R. Pachitea</sup> Huancayo

24 cult. Puerto Leguia, Loreto

25 open woods, Masisea, Loreto

cult. in clearing  
open woods



26840	<i>Palicourea</i>	<i>slender</i> S 2-3'	Cor. cream w
26841	? resembles "cubo" and said to be of same "class" by native, but not a fish poison	S 4-6'	
26842	<i>Psychotria</i>	S low 2-4'	Pr. or
26843	? Leg. ?	WV	
26844	<i>Brumfelsia</i>	H	
26845	?	T 12-15'	
26846	<i>Piper</i>	S 10-12'	
26847	<i>Psychotria</i>	S low 3-4'	Pr. w. light pink Pr. light blue
26848	<i>Rondeletia</i>	HV	
26849	Leg.	WV	
26850	? <i>Passiflora</i>	T ± 20' erect slender tr.;	fr. borne on main branches Sep. & pet. scarlet Cor. w. purp., fil. dark pink
26851	<i>Passiflora coracina</i>	HV	
26852	<i>Serjania</i>	WV	Pet. w
26853	<i>Serjania</i>	WV	Pet. w
26854	<i>Miconia</i>	T 15-20'	Pet. w
26855	<i>Miconia</i>	T 15-20'	Pet. w
26856	<i>Inga</i>	T 20-25'	Pet. green, fil. w
26857	<i>Eupatorium</i>	S 8-10'	Pap. whitish
26858	<i>Dioscorea</i>	HV	
26859	? <i>Passiflora</i> <i>adip. about thin</i> <i>Roots used to make cord</i>	S ± 3 ft.	Fr. or - n.
26860	<i>Anon.</i>	T 8-15'	Fr. light gr.
26861	<i>Cassia</i>	T 12-15'	
26862	<i>Piper</i>	S 10-12'	
26863	<i>Solanum</i>	S erect stem 15'	Cor. w, anthers gr.
26864	<i>Inga</i>	T 30-35'	Fils w
26865	? <i>Passiflora</i>	T 25-30'	Sterile
26866	?	T 12-15'	Pl. deep li
26867	Leg.	T 15-20'	Fr. or - n
26868	<i>Apoc.</i>	T 25-30'	Cor. y-g
26869	<i>Cuscut.</i>	EH succulent	Cor. w
26870	<i>Passiflora hispida</i>	HV	see notes
26871	<i>Inga</i>	T 20-40'	cor. greenish w.; fil. & sty. w.; ant. greenish y.
26872	<i>Solanum</i>	T 25-30'	cor. g.; ant. w.; becoming y.
26873	<i>Inga</i>	T 10-25'	cor. pale g.; fil. & sty. w.; ant. pale y.
26874	<i>Anon.</i>	T 15-20'	fr. g.

July 25 Open woods Maricao

fr. dark gr. purp, paler dist, wh. spotted w. light. dist

27 Edge of woods

Bahianita 150 m.

28 thickets  
clearing

Contamana 150 m.

edge wooded banks of Rio Ucayali (5 to 6 of the) Ph. K. C-4



- 26875 *Ocrotanthus*  
 26876 *Cordia*  
 26877 *Homoea*  
 26878 *Camellia*  
 26879 *euph. (Sebastiania)*  
 26880 *Piper*  
 26881 *Strutianthus*  
 26882 *rub. apoc.?*  
 26883 *malpigh.*  
 26884 *Acacia farnesiana*  
 26885 *Inga*  
 26886 "Cube A" "barbasco"  
 26887 *Solanum*  
 26888 *melast.*  
 26889 *Ipomoea*  
 26890 *Phyllanthus*  
 26891 *Mimosa*  
 26892 *Mimosa*  
 26893 "Cube A" "barbasco"  
 26894 *Cucurbit.*  
 26895 "Cube A" "barbasco"  
 26896 *Apoc.*  
 26897 *Piper*  
 26898 *Meriania*  
 26899 *Piper*  
 26900 *Melast.*  
 26901 *Jussiaea*  
 26902 *Miconia*  
 26903 *Philodendron*  
 26904 *Mariphanthus*  
 26905 *Solanum*  
 26906 *Paspalum*  
 26907 *Sipanea*  
 26908 *Tournefortia*  
 26909 *Passiflora riparia*

- ES on 26874  
 S 10-12' with cor. w.  
 S. elong. lvs.  
 H U young cor. w.  
 4-5' lvs and  
 4-5' with near summit fr. br. o. r.  
 S 4-7' with  
 S. elong. lvs.  
 S 4-6'  
 P S  
 S 8-10' pet. pink w.; ant. w.  
 T 10-15'  
 T low, spreading lvs.  
 T 6-8' cor. green w.  
 T 50-60' slender (soil acid, no. 5)  
 T 6-9' plants 2 yrs old, about 20 plants  
 H 1-2' at base pet. + fl. pale p.; ant.  
 H rich  
 H U cor. w.; plant. lvs. y.  
 H pet. pink w.  
 H straggling, fl. rich p.; ant. y.  
 H 1-2' fl. w.; ant. pale y.  
 H 2-3' erect (3 yrs old) ± 1200 plants  
 T 6-7' high (2 ... ) ± 1600 ..  
 T 4-5'  
 HV Calyx or. r. fr. light y  
 S 7' main stem high climbing  
 S 8-10' Cor. bright y  
 S 8-10'  
 S 8-10' Pet. bright pi.; ant. y  
 T 10-15' with spreading rounded crown  
 T 10-15'  
 S 2-4' Pet, ant. pist. wh.  
 S 6-7' fr. black  
 S 7-9' Pet. y  
 S 7-9' with spreading br. fr. r.  
 H ter; 8' spat. g; spat. w  
 H straggling Cor. blue, upper lip pale in.  
 T 12-15' Cor. bright to deep blue; ant. y.  
 H stems radiating from center  
 H flat on ground  
 T 15-20' elong. fr. r.  
 H Per. pink  
 HV See notes

July 29 wooded banks of Rio Ucayali, Contamana  
 edge of woods

dense woods

edge of woods

w. b. of R. U.

Aug 2 cultivated in yard  
 waste places

(planted by section of  
 stem 1' long, cut at first  
 2" above ground, laid 1" below surface)

(S. standing left of tree) Ph. KC-5  
 Iquitos 1100m.  
 (sprouts in a week)

T ± 3' (1 yr. old) ± 1200 plants / Ranch 5 miles (S. Juan)  
 T ± 3' of branches subc., esp. oldest / w. of Iquitos. Ph. K {C-14  
 C-15  
 C-16

← waste places

in abandoned chacra, 3 mi. below Iquitos  
 3 thickets

swampy thickets  
 clearing  
 swampy thickets

Ph. S 18-26

thickets  
 waste places  
 thickets  
 edge of pools  
 thickets



- 26910 *Heliconia*  
 26911 *Echites*  
 26912 *Pereskia*  
 26913 *Comp.*  
 26914 *Acauth.*  
 26915 *Euph.*  
 26916 *Myrt.*  
 26917 *Miconia*  
 26918 *Malpig.*  
 26919 *Rynchospora*  
 26920 *Pityrogramma*  
 26921 *Acalypha?*  
 26922 *Mimosa*  
 26923 *Visunia*  
 26924 *Miconia*  
 26925 *rub.*  
 26926 *rub.*  
 26927 *melast.*  
 26928 *melast.*  
 26929 *marant.*  
 26930 *cucur.*  
 26931 *Evea*  
 26932 *Psychotria*  
 26933 *Miconia*  
 26934 *glauc.*  
 26935 *glauc.*  
 26936 *Miconia spicata*  
 26937 *Sellaginella*  
 26938 *Piper*  
 26939 *Cravillea*  
 26940 *Phyllodendron*  
 26941 *mass*  
 26942 *mas*  
 26943 *fungus*  
 26944 *Absoptula*

- T 15-20'  
 HV  
 S 5-6'  
 S with subse.  
 H 3-4'  
 T slender  
 10-12'  
 S slender  
 3-5'  
 T 10-15'  
 S 5-7'  
 H  
 H  
 N  
 T 25-30'  
 T 20-25'  
 S slender  
 5-6'  
 S 4-6'  
 S 8-10'  
 S 4-7'  
 S slender,  
 3-6'  
 U. V.  
 H. U.  
 S 4-7'  
 S or slender T.  
 10-20'  
 T 10-15'  
 U. V.  
 S slender, erect,  
 3-4'  
 S 4-7'  
 S.  
 H  
 T slender,  
 10-18"  
 H. U.  
 H. U.  
 on decayed log  
 " " "  
 " " "  
 T. F. caudex  $\pm$  5 ft., 2" diam.; fr. (incl.  
 st.) 6-8"

Pr. gr.

Cor. pi; fr. gr., pi. striped

Pet. rich pi.; anther y

Pap. w

Cor. bl.

Pet. y-g.

Pili w; anther light  
 Pet. o style light pi.  
 Disk rich pi.

Pet. y.

Pet. w.

Pr. gr. streaked  
 with purp.Pet. w. fil. light pi.  
 anther light pi.  
 cor. w.; st. w.

cor. &amp; fil. w.; anther y.

fr. grayish bl.

pet. &amp; st. w.

per. br. y.

br. br. g.; cor. pale y.

br. br. g.; cor. y.

lobes bordered with pur.  
 pet. grayish w.; fil. & st. y.

anther pur.

fr. rich p.; cor. pale y. with  
 fine p. pubescence

cor. b.

pet. fil. & st. w.; anther y.  
 fr. r. or pur, becoming black

fr. depr.

Aug. 3

thickets

swampy thickets

thickets

swampy thickets

swamp.

thickets

clearing

woods

Iguazú



- 26945 Cuba A. "barbaro" S 2-5'  
 26946 Inga slender, buds gnats, w.  
 26947 Scleria H 10-15'  
 26948 Andropogon H 8'  
 26949 Melast. H 3-4' det. fr. + sty. w.;  
 26950 Prockia? Euph. T 12-15' ant. p.; fr. black  
 26951 Bilai H 4-5' Ped. y.; br. pinkish  
 26952 Securidaca Mauria S 8-15' fr. q.  
 26953 Mendenia H V. br. gnish y.; cor. red p.  
 26954 Salpicchilama volubilis H V. fr. dull pur.  
 26955 Polybotrya H climbing up t.t.  
 26956 Curatella T. with elong. droop. fr. gnish g.  
 26957 Buddleia Verb. Aegiphila T. bran. 15-20' fr. q.  
 26958 Melast. S. 2-3' spreading, cor. white  
 26959 ? T. 20-25' fr. dark g.  
 26960 Ichuocylon H 4-6' coarse, per. w.  
 26961 Gesner. Ect Ar. wh., lobes  
 26962 Euph. ? S 8-10' subsc. pi. tinged in  
 26963 Metastelma H V. with milky sap; Corolla gr., corolla wh.  
 26964 Bromel. Ect Bracts r.; per. cream-wh.  
 26965 Cassia T 15-20' Pet. y  
 26966 Melast. S 4-5' slender, flower faint w  
 26967 Melast. S 8-12' fr. gray-blue  
 26968 Miconia W V Buds gnish w  
 26969 Annona T 12-15'  
 26970 Euea S 4-5' bract bright r.  
 26971 Melast. S 8-12' cor. light y; fr. light blue  
 26972 Securidaca Mauria S subsc. Pet. light gr.; anther  
 26973 Rub. S 6-10' pure w; fr. blue  
 26974 Miconia T 15-20' Pet. q. w, y at tip.  
 26975 Alsophila TF 5-6' Cor. wh.  
 26976 Scleria H 12-18' Branches inf. pinkish  
 26977 ? H 1-2' r.; pet. tinged pi.;  
 26978 Solanum H 1-2' woody, fr. 6-8'  
 26979 Leg. S Pod seeds or. r.

Aug. 3 woods (soil acid, #5) Iguitos

all pp. 2

anther w. meish, pi. other; fr. bluish.







- 27015 ? *Flac.*  
 27016 *Piper*  
 27017 *Dillen.*  
 27018 *Struthanthus*  
 27019 *Psychotria*  
 27020 *Laurac.* ?  
 27021 *Lindsaya*  
 27022 *Cordia nodosa*  
 27023 *Psychotria*  
 27024 *sapot.* ?  
 27025 *Clusia*  
 27026 *Hirtella*  
 27027 *Lichsonia*  
 27028 *mb.*  
 27029 *myrsin.*  
 27030 *Silaspicula*  
 27031 *Scroph.*  
 27032 *Miconia*  
 27033 *Pithecolobium*  
 27034 *Myrsine*  
 27035 *Maepig.*  
 27036 *Polypodium*  
 27037 *Piper*  
 27038 *Scuridaca*  
 27039 ?  
 27040 *Diparuma*  
 27041 *Dioscorea* ? *Monop.*  
 27042 *Jesner.*  
 27043 *Caribodora*  
 27044 *Myrt.*  
 27045 *Rub.*  
 27046 *Rub.*  
 27047 *Phyllanthus*  
 27048 ? *Onoc.*  
 27049 *Xiphidium*

- S.* <sup>with</sup> 10-15' br. g.; persistent st. y.  
*S.* 6-8' pet. deep y.; br. gray-green.  
*T.* 15-20'  
*S.* <sup>paras.</sup> 8-12'  
*S.* 20-25'  
*T.* 20-30'  
*T.* 20-30'  
*T.* 18-25' spreading  
*H.* spreading  
*S.* 8-15' fr. black  
*H.* 18-25' br. of inf. rch p.  
*H.* 8-15'  
*N.* <sup>in</sup> <sup>new</sup> places Cor. pure blue  
*T.* 10-15' <sup>only</sup>  
*T.* 25-30' <sup>only</sup>  
*T.* 20-25' <sup>only</sup>  
*S.* 5-6' <sup>only</sup>  
*H.* <sup>only</sup>  
*S.* 8-10' <sup>only</sup>  
*S.* 7-9' <sup>only</sup>  
*S.* <sup>only</sup>  
*T.* 12-15' <sup>only</sup>  
*T.* <sup>only</sup>  
*HV* <sup>only</sup>  
*S.* 6-9' <sup>only</sup>  
*T.* <sup>only</sup>  
*S.* 6-8' <sup>only</sup>  
*T.* <sup>only</sup>  
*E.H.* <sup>only</sup>  
*H.* <sup>only</sup>  
*H.* <sup>only</sup>

Aug. 3 woods

Iquitos

swampy thickets

5 sandy woods (San Juan) Iquitos



- 27050 *Psychotria* T 15-20' fr. deep r.  
 27051 I 15-20' pet. greenish w.;  
 27052 *Solanum* S 6-8' cor. pale bl.; ant. y.  
 27053 *Cecropia* T slender, 10-18'  
 27054 ? H 8-12' with cor. greenish w.; fil. & sty. w.  
 27055 *Buddleia* S large, bran. cor. nch p., paler in;  
 27056 *Siphocampylus* H U. fil. tube w.; dust.; ant.  
 27057 *Stenocampylus* H 2-3' 5 per. ag. calmar p.;  
 27058 grass. H 6-8' lip y.  
 27059 *Piper* H U. all pet. w.  
 27060 *Meibomia* S 6-8' cor. greenish y.; lobes w.;  
 27061 *Chiodium* H ant. black; fr. black  
 27062 gesner. H 2-4' cor. l. r.  
 27063 *Bilal* H 15-18' lg. greenish.  
 27064 *Lacuterna* T 12-15' fr. l. bl.  
 27065 *Sipanea* S 4-6' fr. deep r.  
 27066 *Sipanea* S 8-12'  
 27067 *Piper* H U. cor. nch p., paler prox.  
 27068 *Siphocampylus* T 15-18'  
 27069 *Sipanea* T.F. slender 5-7'; ant.; st. 4-5';  
 27070 *Alsophila* U. fr. 3-5' fr. deep r.  
 27071 *Salvia* S slender 3-4' Pet. w.; anther w.; gr-striped  
 27072 *Melast.* T 20-25' fr. deep purp.  
 27073 ~~*Sorbus*~~ *Avon.* T 20-25' Infl. (?) deep purp.  
 27074 *Flouya aestivans* H Abundant bright gr.  
 27075 *Rub. Visaria* T 12-15' Cor. (?) gr.  
 27076 ? "casu" T 12-15' Infl. light gr. fr. w. r.  
 27077 *Sapot.* T 30-40' fr. deep r. *all ? ? ?*  
 27078 *Lipocarpha* H  
 27079 *Andropogon* H  
 27080 *Mikania* W V Cor o styles greenish w  
 27081 *Clidemia* S slender 4-6' Pap. w  
 27082 *Commelina* H lax Pet. greenish light pi  
 27083 *Soracea* T 30-40' fr. deep pur.  
 27084 *Miconia* T 25-30' Br. cream w; per. w

Aug. 5 sandy woods (San Juan) Iquitos

~~*Solanum*~~ clearing

Ph. S. 18-2

sandy woods

junib.; sty. & sty. pale g.

Ph. S. 18-4

clearing  
sandy woods

Ph. S. 18-3

clearing  
sandy woods

clearing

sandy woods

clearing

sandy woods



- 27085 *Mitella* T 30-40'  
 27086 ? T  
 27087 *Melast.* S 4-7'  
 27088 *Lasiacis* HV  
 27089 *Morac.* ? T 20-30'  
 27090 *Gurania* HV  
 27091 *Metastelma* NV  
 27092 ? "sacha-barbaceo" S slender 4-6'  
 27093 *Paspalum hispidum* HV  
 27094 *Miconia* T 8-15'  
 27095 *Solanum* H 3-4'  
 27096 ? "barbaceo" S slender, 6', then HV turning up trees to 20'  
 27097 *Siphocampylus* WV  
 27098 *Cassia* T 10-15'  
 27099 *Renealmia* H coarse, 10' at base  
 27100 ? T 15-20'  
 27101 *Piper* S slender 5-7'  
 27102 *Apoc.* WV stem closely appressed to tree trunk  
 27103 *Scleria* H 6-7'  
 27104 *Mikania* H V.  
 27105 *Cucurbit.* H V.  
 27106 *Triantha* H spreading & climbing, 3-6' pet. w.  
 27107 *Souaria* S 10-12'  
 27108 *leg.* W. V.  
 27109 *Paspalum* H 4-6'  
 27110 ? H 20-30'  
 27111 *myrs.* ? T 10-25'  
 27112 *rub.* S 4-6'  
 27113 ? T slender 15-20'  
 27114 *Triantha* H lax 3-5'  
 27115 *Palicourea* S 6-10'  
 27116 *acanth.* S 10-15'  
 27117 *Alseophylla* F caudex erect, about 6'  
 27118 *aroid* H ter.  
 27119 *mb.* I. 15-25'

Buds y-g  
 pet. w; fls. dark pi;  
 anthers gr-w; fr.

Fr. black

Fr. light y

Cor. or.  
 corolla greenish w  
 corona wh.

Fr. bright gr.

Cor. w. anthers y  
 slender, 6', then HV turning up trees to 20'  
 Cor. fr. st. tube w,  
 anthers dark gr.

Pet. y  
 Bracts, pale green - pi.  
 Per. pale or; fr. r

Buds cream w

cor. greenish w.

cor. pale y.

per. br. bl.;  
 young fr. g.  
 pet. w.

unsp. & keel pale pur. out,  
 stain. pale y, striped

lvs. salmosp.

cor., sta. & stig. pale y.

br. & fr. deep pur.

fr. deep r.

cor. w.

fr. dark brown.

F. caudex erect, about 6'

lvs. glab. variegated w. nch p. below.

bray. of inf. & br. pur. w.  
 cor. tube w, lobes pale bl.

Aug. 5 Sandy woods (San Juan) Iquitos

purplish-black

clearing

sandy woods

edge of woods

sandy woods

" "

(said to be abandoned  
 chacra, & planted  
 ± 8 yrs)

S 18-5'

paler to y at margins and in;  
 with nch p. w. prop.; fl. tube cor. w.; anthers & stig. yish (free anthers p.)

clearing

sandy woods



- 27120 *Dryopteris*  
 27121 *Saccolana*  
 27122 (*aur.*?) *mar?*  
 27123 *leg.*  
 27124 (*marac?*) ?  
 27125 *Lasiacis*  
 27126 *Cassia*  
 27127 *Cordia*  
 27128 *Psychotria*  
 27129 *Sipha campylus*  
 27130 *euph.* ?  
 27131 *Urvillea*  
 27132 *Hamelia*  
 27133 *Cypripis*  
 27134 *Piper*  
 27135 *Piper*  
 27136 *Dryopteris*  
 27137 ? "barbacea"  
 27138 *Rub.*  
 27139 *Anturium*  
 27140 *Baetris*  
 27141 *Euph.*  
 27142 *Peperomia*  
 27143 *Passiflora*  
 27144 ?  
 27145 *Hirtella* ?  
 27146 *Grass*  
 27147 *Melast.*  
 27148 *Melast.*  
 27149 *Bignon.*  
 27150 ?  
 27151 *Leg.* "Tumbos"  
 27152 *Passiflora guachanagula*  
 27153 *Apoc.*  
 27154 *Cassia ligularis*

- H.  $\pm 2'$   
 H.  $\pm 4'$   
 T. 12-18' slender, straight trunk.  
 S. 6-12' w. fl. growing from trunk; fr. growth w.  
 T. 20-25' fr. p. when ripe  
 H. V  
 T. 10-15' pet. y.  
 S. 6-8' cor. growth w.  
 S. 10-12' with elong. fr. fr. deep bl.  
 H. V cor. rich p. i. fl. tube  
 T. 12-18' w. ault. brown  
 T. fr. gray, directly from trunk.  
 W. V fr. g. at center, wings  
 S. 10-12' cor. o. fr.  
 H  
 S. 10-12'  
 T. 15-20' spikes deep r.  
 H  
 S. 4-6' slender, then w. v. stem  $\pm 1"$  thick  
 S. 5-7' slender Cor. growth w. wh.  
 H. ter. Sp. gr.; spad. deep pi.  
 Canb. 10-12'  
 S. 4-6' slender end fr. g., red purp.  
 H  
 H. V Sterile  
 T. 12-15' fr. y.  
 T. 20-30'  
 H  
 S. 10-12' slender Pet. pi., pale dist.  
 H Pet. w, pi-triangular, pale w; anther light gr.  
 W. V Cor. tube w, lobes  
 S. 4-6' slender end pale pi.  
 S. 6-8' fr. grayish purp.  
 S. 6-8' Pet. y  
 H. V See notes  
 S. T Cor. wh.  
 H.  $\pm 2'$  w. v. tel. Pet. y

Aug. 5 sandy woods

(San Juan)

Iquitos

trunk; fr. growth w.

about 5 plants, the scandent parts + v. distant (abandoned &amp; overgrown chacra) soil very acid (#4)

clearing  
 wet.  
 sandy woods  
 clearing



27155	Epiphyllum	EH	
27156	Vernonia	T 10-12'	Pep. wh.
27157	?	gart?	Cr. w; anther light blue
27158	Passiflora repens "grandifolia"	HV	See notes
27159	?	S 6-8', upper part of stem scandent	
27160	Scroph.	H spurt.	Cor. pinkish blue, lobes, pet.
27161	Scroph. Rub.	H "	Cr. w, tinged with
27162	Warburguea	T 12-15'	Br. scarlet
27163	Aristolochia	H V	Tr. only
27164	Centropogon	S subsc.	Cor. rich pi.
27165	Passiflora "n. sp."	HV	See notes (seeds)
27166	Euph. ?	S 10-12'	shiny
27167	Peperomia	EH	
27168	Mikania	HV	Cor. green w; style
27169	?	S 10-12'	gr; sep. w
27170	Stegaria		Pet. y, style pi.
27171	Palis "aguaje"	WV	Br. green w
27172	Utricularia	Trunk + 15'; 2'	diam. <del>interior</del> fruit (yellow) + 1'
27173	Nymphaea	H floating	Cor. y
27174	Begonia	H	Pet. cream w
27175	Coccoloba ?	H 4'	alamus w
27176	Munzaca	T 12-15'	Pet. w
27177	Heteranthera	T 15-20'	Pet. w
27178	Miconia	H	Pet. anther. gr.
27179	Scroph.	S spreading	Pet. w
27180	Panicum	H 8-12'	Per. pinkish w
27181	Grass	H	Br. purplish black
27182	Gesner	H 2'	Cor. tube pinkish out
27183	Philodendron	H	wh in; lobes light blue
27184	Mol. ?	H	
27185	?	H 2'	Br. pi
27186	Palicourea "tunela"	CH	
27187	Rub.	T 15-20'	Pet. salmon. pi
27188	?	T slender 15-20'	stem. cream w
27189	? Nymphaea ?	S 8-12'	Cor. cream w
		S 6-8'	Br. up, calyx, & cor. buds an; cor. or-y
		T 20-25'	Sepals deep r
		T 20-25'	Br. each green

Aug. 5 Sandy woods (San Juan) Tiquito

chaona (plants + 10 yrs)

6 yards

Tiquito

light blue

sandy woods (San Julian)

oblong, 7x5 mm., reticulate (fruit thin)

7 woods

Tiquito

petiole sheath 4-5' wide at base, + 6' long; lobes fan-shaped, cut to + 1' from petiole, + 6' long.

open swamp Ph. 6.25-15

pool

swamp

woods

(Moron-cocha)

prox, pi. dist



27190	?	T 15-20'	Sepa y-g
27191	Ixora	S or m. t. 10-15'	Buds gr.
27192	Laur.	T 15-20'	Pet. salmon - pi.
27193	Psychotria	S 10-12'	
27194	Rub.	S 3-4'	Br. deep. pi; cor light pi, gr. in
27195	Rub.	T 10-15'	
27196	Scleria	H	
27197	?	T 15-20'	Tr. or
27198	Rub	T 20-25'	Cor. w
27199	?	T 20-25'	Cor. w
27200	? Lig. [aurantia A]	S elong tr.	
27201	Ipomoea	H V	Buds only
27202	Casearia ?	S slender 10-12'	Impl. pink y
27203	Bromel.	EH	Br. r., per. y
27204	Serjania	WV	Pet w
27205	melast.	S slender 4-6'	pet. w; gut. g. fr. purish. dist.
27206	lignos.	S. low, spread. 2-4'	cor. y, paler dist. & in.
27207	melast.	S 3-4'	fr. black.
27208	rub.	S compact, rounded crum. 2-4'	cal. pink, y., fr. pur.
27209	lignos.	W. U. V.	cor. faint l. y.; fr. l.
27210	rub.	S 5-8'	+ sty. paler.
27211	rub.	H. U.	cor. w. fr. deep pur.
27212	Polypodium	EH	
27213	?	T 12-15'	
27214	Habenaria	H tr	3 sep. g.
27215	Sipanea	T 12-15'	fr. deep r., paler dist.
27216	melast.	T 12-15'	Pet. pink w, pils w auth. pl.
27217	?	T 30-40'	impl. y-g
27218	Oreopteris	S par on 27215	
27219	Scleria	H	Tr. black
27220	Bignone	WV	Cor. bright y
27221	Vismia	T 30-40'	Pet. gr.
27222	Mimosa.	S 8-12'	Tr. only
27223	melast.	T 12-15'	Pet. w, faint, var. w.
27224	Mucuna	WV	St. & base deep gr; w. pink w lyg

Aug 7 woods

(Moronococha)

Iquitos

open swamp

~~woods~~

woods

clearing  
woods

pink-gr.



- 27225 rub.  
 27226 fab.  
 27227 Sipanea  
 27228 Piper  
 27229 til.  
 27230 sapind.  
 27231 rhorac. *Am?*  
 27232 gesner.  
 27233 Passiflora  
 27234 Triumfetta  
 27235 yugib.  
 27236 Adiantum  
 27237 Mimoso  
 27238 scopul. *acanth*  
 27239 Sipanea  
 27240 titiac.  
 27241 cyperac.  
 27242 melast.  
 27243 Sipanea  
 27244 rub.  
 27245 Piper  
 27246 Commelinac.  
 27247 solanac.  
 27248 cyper.  
 27249 alga  
 27250 Veronica  
 27251 comp.  
 27252 Bradburya  
 27253 commelinac.  
 27254 Piper  
 27255 Inga  
 27256 Abutilon  
 27257 Solanac  
 27258 grass  
 27259 ?

- T 25-35' bran. of upl. & cor. rich  
 H.U. pet. cr. w. to y.  
 S 5-7' young fr. y.  
 S 6-8'  
 S 3-4' pet. salmon p. to y.;  
 W.U. sta. y. fr. deep r.  
 T 10-15'  
 W.U. br. deep. r. veined with g;  
 H.U. cor. pale y  
 S 5-8' pet. salmon p.; sta. y.  
 H 4-8' basal br. r. - tend. br. o.;  
 H pet. pale y., lvs. o. r.  
 H I woody below, ~~sta. w.~~  
 H 2-4' upper lvs. pale gray;  
 H 2-3' lower lvs. w., marked with bl. in.  
 T 10-15' young fr. y.  
 S 8-12'  
 H  
 S 3-5' pet. w.; ant. y.  
 T 12-18' slender. young fr. y.  
 S 3-5'  
 S 10-12'  
 H spreading, per. br. bl.  
 H 3-6' cor. pale y., marked with brown in. box  
 H fil. y.; ant. grayish g. open swamp  
 H floating in stag. water  
 H cor. pale bl.  
 H 1-3' ray & florets br. y.  
 H pet. cr. w.; wings tinged w. bl.;  
 H.U. stan. ting. w. y. at base  
 H 1-3' spreading per. g.  
 S 10-12'  
 T 10-15' fil. pale w.; ant. y.  
 T.F. caudex erect, 4-6'; stipe 34;  
 H.U. r. 4-6' cor. pale bl.  
 H  
 H I woody, pet. pale p.  
 H 2-3'

Aug 8

woods  
thickets

(Puchaud Igrito)

18878

18879

18880

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18887

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18909

18910

18911

18912

woods

thickets

woods

clearing  
woods

its brown in. box open swamp

thickets

woods

thickets  
edge of woods



- 27260 *ruale*.  
 27261 *Guanochit*  
 27262 *Canica*  
 27263 *Chibadium*  
 27264 *marant*  
 27265 *higa*  
 27266 *marant*  
 27267 *Ipomoea*  
 27268 *Cipea*  
 27269 *Cyperac.*  
 27270 *higa*  
 27271 *Psychotria*  
 27272 *sapot?*  
 27273 *sapot*  
 27274 *Piper*  
 27275 *casalp.*  
 27276 ?  
 27277 *rtb.*  
 27278 "barbass" *Cube A*  
 27279 ?  
 27280 *Vernonia*  
 27281 ?  
 27282 ?  
 27283 *fab.*  
 27284 *Miconia*  
 27285 *Polypodium*  
 27286 ?  
 27287 *aroid*  
 27288 *fungus*  
 27289 *sub. acaule*  
 27290 *Senecio*  
 27291 ?  
 27292 *melast*  
 27293 *aroid*  
 27294 ?
- H 2-4' pet. & sta. y.  
 H U cor. deep r.  
 H 5-12' no. at summit cor. cr. w.; ant. y.  
 S 6-8' fls. w.; ant. black  
 H 2-4' per. w.  
 T 40-60' fr. up to 3' l.  
 H 4-6' per. w.  
 H U per. nch. p., paler  
 H 2-3' cor. r., dist. 1/4 of prox. ovary w.; sty. & fil. in pale y.  
 H 30-40' cor. cr. w.; fil. w.;  
 T 10-15' ant. pale y.  
 T 40-50' sub. directly from trunk; near ends of branches  
 T 50-60' up. from trunk below lvs.  
 S 10-12'  
 T 20-30'  
 T slender 10-20' pet. w.;  
 S 10-12' up. from trunk fr. w.;  
 S or low T. fr. q., becoming from the "barbass" of  
 S 6-10' and very acid (#4)  
 S 8-12'  
 T slender, cor. tube w., lobes  
 S 12-15' nch. p.  
 S 8-10'  
 S 10-12' fr. dull r.  
 S 10-15' fr. lvs. fr. lvs. o.  
 S dependent pet. black. w.; fil. y.;  
 S 10-12' ant. brownish  
 E H  
 T 15-20' fr. q.  
 E H dependent  
 on decayed log  
 H 2-4' cor. w.  
 W U pet. w.; ant. y.  
 T 25-30' pet. cr. w.; ovary y.  
 S 10-15' pet. & fil. p.;  
 ant. y.  
 H ter  
 S 10-12' fr. lvs. o.

Aug 8 thickets (Puelans) Iguita

edge of woods

woods.  
 pet. nch. y., ting. in p. ant.;  
 ant. lvs. y.; pet. salmon p.; fil. & sty. y.;  
 cal. greenish y.; ant. & stig. brown

edge of wood

woods

Pascual Taves, containing about 1200 "clumps" of 1-3 plants each  
 1 plant 1-2 yrs. old yielded: { 1.4 kg. wet roots } A further  
 { 0.2 kg. dry } plantations said  
 to be twice as large.

woods  
 thickets  
 woods



- 27295 *Palu.* caudex subt.  
 27296 *rub.* T 12-15'  
 27297 *malv.* T 12-18'  
 27298 ? *Alchornea* S 15-20'  
 27299 ? *flacoust.* S 12-15' buds & fr. g.  
 27300 *rub. apoc.* T 10-15' cor. gnats. w.  
 27301 ? *flacoust.* S 10-15' stip + stig. gnats. w.  
 27302 ? *lauc.* T 40-50' pet. w.  
 27303 *melast.* H  
 27304 *mag. vol. ?* T slender, pet. w.; ant. y.  
 27305 *cyclanth.* T 8-15' caudex ± 6" fr. l. o.  
 27306 *Piper* T slender,  
 27307 *melast.* S 12-15'  
 27308 ? T 4-8'  
 27309 ? T 12-15' buds gnats. w.  
 27310 *Phoradendron* H U. cor. l. r.  
 27311 *rub.* S 10-12' cor. l. bl.  
 27312 *liquor.* fr. deep bl.  
 27313 *exph. ?* W. U.  
 27314 ? T 15-20'  
 27315 *Licocorea* S 12-15'  
 27316 ? H U.  
 27317 ? T 20-25'  
 27318 ? S 10-15' lan. fr. l. o.  
 27319 *Lichsonia* T slender,  
 27320 ? T 10-15'  
 27321 *liliai. ?* H 12-15' fr. o. y.  
 27322 *Selloginella* H 10-15' pale y.; pet. w.;  
 27323 ? H ant. trish. y.  
 27324 *Piper* T 10-12'  
 27325 *Piper* T 10-15'  
 27326 ? T slender  
 27327 *marant. ?* T 30-40' fr. g.  
 27328 *melast.* H 2-3' seeds l. o.  
 27329 *Solanum* H 2-3' buds w.  
 H 2-3' cor. pale g.; ant. y.

Aug 8. woods

(Puchano) Iguitas

~~edge of woods~~dense forest  
woods

dense forest



- 27330 ?  
 27331 *Caribudonica*  
 27332 *Henitelia*  
 27333 rub.  
 27334 ?  
 27335 *Lickea*  
 27336 fab.  
 27337 *Agave* *Conrad*  
 27338 *Cucurbit.*  
 27339 *Solanum*  
 27340 cypers.  
 27341 *Sesuvium*  
 27342 ? "chope"  
 27343 Rub.  
 27344 Rub.  
 27345 *Solanum* "coconilla"  
 27346 *Miconia* "riparillo"  
 27347 Euph.?  
 27348 Melast.  
 27349 Melast.  
 27350 Rub.  
 27351 ?  
 27352 Sapot.  
 27353 Gesner.  
 27354 Melast.  
 27355 *Mikania*  
 27356 Arac.  
 27357 *Philodendron*  
 27358 Sapot. ? *Myrsine*?  
 27359 ?  
 27360 *Cyclanthus*  
 27361 *Paspalum*  
 27362 ? *Cuba B* "sacha-barbosa"  
 27363 *Furcraea*  
 27364 *Lisianthus*
- T 15-20' fr. y.  
 H climbing up tree trunks  
 T. F. caudex 4-7', erect;  
 S 10-15' fr. ± 3'  
 S 8-10' fr. fr. deep pur.  
 S. dependent  
 H U. red pale pur., deeper at margins; inner deep bl.;  
 H U. stem deep bl., marked with deep pur. in prox.  
 H U. pet. l. y.  
 H U. cor. net p.  
 H U. cor. l. o.  
 S 8-12' pet. w.; anthers y.  
 H  
 H U.  
 T 25-30' Sap. "guay" and used as land. No fls.  
 S slender  
 S 3-5' fr. or - r  
 S 3-5' Cor. cream w  
 H 2-4' woody, 2.5-4' anthers or. w, anthers deep y; fr.  
 T 15-20' Lvs used for ink  
 T slender  
 T 12-15' Pet. cream w  
 S 6-10' Pet. light pi; anthers w  
 H 2-5' woody, 2.5-4' Pet. o. anthers w  
 S 3-4' Cor. cream w  
 S 3-4' fr. pure w  
 T 15-20'  
 T 25-30' st. w  
 S erect  
 S 3-4' Calyx + cor. r  
 S 8-12' br. / Pet. pink w  
 S 8-12' anthers y-g  
 W V Cor. ratish. Driedish  
 H V Pap. greenish  
 H V closely appressed to tr. trunks  
 E H Spathes or. w  
 T 25-30' fr. black  
 T 25-30' Infl. pink y  
 Pl 3-4' fr. deep gr.  
 H  
 T slender  
 T 25-30' fr. 7', upper br. radiant  
 On log Pl. or - r  
 H coarse  
 H 4-5' Cor. light gr.

Aug 8 dense forest

(Puchana)

Iguites

woods

thicket

clearing  
thickets

9 woods

(San Juan)

replen

4-10  
5-10

clearing

not plowed; roots not used for fishing

[soil test:  
some acid, 5.]Phlox - 10  
(tens)



- 27365 *Philodendron* EH  
 27366 *Lacistema* S slender 10-12'  
 27367 *Solanum* "cocona" N coarse 3-5'  
 27368 *Inga* "guaba" T 10-12'  
 27369 ? *Cube A* "barbaco" T slender 4-8', upper br. pubescent  
 27370 *Trungus* On log  
 27371 *Rubiac* T 15-20'  
 27372 *Xanthosoma* EH  
 27373 *Maranth.* H 2-3'  
 27374 *Arviol* "Gergousacha" H 15-20' *gergousacha* because of  
 27375 *Sapot.* T 15-20'  
 27376 *Delapiniella calcarata* A.Br. det. Somers 1978 N forming carpets by forest floor  
 27377 *Erea* S 1-2'  
 27378 *Vismia* T 10-15'  
 27379 *Bignoni.* WV  
 27380 ? *Cube A* "barbaco" T slender 15-20', then climbing to 20'  
 27381 *Cecropia* T 25-30'  
 27382 *Altemantia* H 2-3'  
 27383 *Trichomanes* H ref  
 27384 *Inga* T 30-35'  
 27385 ? "ayahuasca" WV  
 27386 *Mibomia* WV  
 27387 *Truma* T slender 10-15'  
 27388 *Melast.* H  
 27389 *Polypodium* EH  
 27390 *Scroph.* H 2-3'  
 27391 *Miconia* T 25-30'  
 27392 *Cassia* HV  
 27393 *Gesner.* EH growing in small nat Cor. wh.  
 27394 *Euph.* S 10-12'  
 27395 *Heb.* ? H 2-3' woody  
 27396 *Melast.* S 10-15'  
 27397 *Querc.* ? S 10-12'  
 27398 *Anthurium* EH scandent  
 27399 ? S 10-12'

Spath. gr. i fr. light

Cor. white w. anthers  
Pr. light greenPet. light green  
Pl. 1 1/2 yrs old

Pl. wh to flesh color

Cor. w  
Spath. as usual. lightCor. w  
Spath. as usual. lightCor. w  
Spath. as usual. lightCor. green w  
Spath. as usual. lightCor. light green  
Spath. as usual. lightCor. light green  
Spath. as usual. lightCor. rich pi  
Spath. as usual. lightCor. light green  
Spath. as usual. lightCor. light green  
Spath. as usual. lightCor. light green  
Spath. as usual. lightCor. light green  
Spath. as usual. lightCor. light green  
Spath. as usual. lightCor. light green  
Spath. as usual. lightCor. light green  
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Spath. as usual. lightCor. light green  
Spath. as usual. lightCor. light green  
Spath. as usual. lightCor. light green  
Spath. as usual. lightCor. light green  
Spath. as usual. lightCor. light green  
Spath. as usual. lightCor. light green  
Spath. as usual. lightCor. light green  
Spath. as usual. light

Aug. 9 woods (San Juan) Iquitos

clearing

+250 plants [Basil acid, #5]

woods

nothing at base or petiole

for clearing by fire, as fire runs along them  
this plant from tree to tree

clearing

+75 trees

woods

Here a tea is brewed from the leaves & stem which leads to fourfold  
developed into cure for flu by Germans. I used to get drunk  
used for curing many ills here

woods

10 (wet) woods (island in front of) Iquitos



27400	Miconia	T 12-18'	Pet. pinkish w.
27401	Polypodium	EH	
27402	Acacanth.	S 5-6'	Cor. pinkish-r
27403	Sapot. ? <i>Myrsine</i>	S 8-12'	Fr. r
27404	Tournefortia	H rep.	Fr. black
27405	Commelin.	HV	Pet. ovals. blue Fr. dark gr; ends r-r
27406	Miconia	T 15-20'	
27407	Piper	S 3-4'	
27408	Solanum	WV	Fr. r.
27409	Tournefortia	S 2-4'	Cor. pinkish w
27410	Inga	T slender 20-25'	Pet. gr; st. tube pinkish w; file pi.
27411	Leg.	HV	Pet. cream wh
27412	Polypodium	EH	
27413	Tournefortia	WV	Cor. wh.
27414	Apoc.	T 12-20'	sap. very milky Cor. wh.
27415	<del>Adiantum</del>	<del>EH</del>	
27416	Euph. ?	T 25-30'	Inf. pinkish
27417	Cucurb.	HV	Cor. pinkish w
27418	<i>Myrsine Cordia</i> ?	T 20-25'	Cor. wh.
27419	? <i>Myrsine</i>	EH in ants' nest	
27420	Citrus	T 12-15'	Pet. wh.
27421	Paullinia	WV	Fr. light r.; <del>sap</del>
27422	Passiflora serrata-digitata	HV	See notes
27423	Rub.	S 12-15'	Branches aipl. pi.
27424	Philodendron	EH scandent	
27425	? Cube C "mascha-barbaco"	WV stem diam. $\pm 6"$ , climbing to tops of high trees;	
27426	Melast.	T 15-20'	
27427	Ceratopteris	H	
27428	? "huingo"	T 40-50'	fr. 1' h, used like calabash
27429	Bignon.	WV	Cor. pinkish w.
27430	Vanilla	HV	Cor. rich pi.
27431	?	T 10-15'	appendages of petals cream w
27432	Piper	T slender 1" dia. 5-6-8'	calyx deep purp; appendages of stamens pi.
27433	Acacia	T 10-12'	Stam. bright y
27434	Melast.	T slender 10-12'	Pet. ovals pi. anths. deep gr.

Aug. 10 (wet) woods (island in front of) Pigeon

clearing  
(wet) woods  
clearing  
(wet) woods

roots used for fishing, but not as strong as Cube A

clearing  
(wet) woods

1 fls. directly from trunk.

clearing  
(wet) woods



- 27435 moss  
 27436 Cyperus  
 27437 grass  
 27438 Passiflora  
 27439 *mb. Aegiphila*  
 27440 Heteris  
 27441 Pachira  
 27442 Eucrotonia  
 27443 Senecioia  
 27444 Bilirai  
 27445 Phyllodendron  
 27446 Pilea  
 27447 Meibomia  
 27448 Phyllodendron  
 27449 *mb. Nees*  
 27450 mb.  
 27451 cucurb.  
 27452 grass  
 27453  
 27454 Xiphidium  
 27455 Menisperm  
 27456 marant  
 27457 euph.  
 27458 Phyllodendron grandifolia  
 27459 Phyllodendron  
 27460 Psychotria  
 27461 Phyllodendron  
 27462 Peperomia  
 27463 *Styrax*  
 27464 moss.  
 27465 "  
 27466 Phyllodendron  
 27467 Piper  
 27468 Passiflora alata  
 27469 Piper

on decayed log

H

H

H

H

H

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H

slender. cor. tube pale y., lobes fringed,  
 fl. just. w.; cut. brown

30-40' pet. great w.

per. w. corolla w.  
 light y. at center out.

W. U. stem 16' high; pet 5' l.  
 blade 8' x 1.5'; infl. drooping, to 5' l.

8-10' S. slender, with divaricate bran.  
 pet. rich p.

E. H.

S. 3'

S. 8-10' cor. w.

cor. l. o.

H. 12' l.

15-20' l. subg.

1-2' per. w.; orange; sty.

20-25' pet. w. long w. p. out; fl. pale y., ant. deeper;

1-4' h. pet. w. long w. p. out; fl. pale y., ant. deeper;

slender 15-20' w. pet. w. long w. p. out; fl. pale y., ant. deeper;

1. directly from trunk.

E. H. spathe y.

S. slender, cor. w.

S. 4-5'

E. H.

25-30' pet. yellow, brown

on decayed log

" " " spathe dark g. out,

12-15' perianth. w.

H. U.

S. 8-10'

S.

S.

S.

S.

Aug. 10 (wet) woods (island in front of) Iquitos  
 11 sandy clearing (Puchiano)

woods



- 27470 *acanth.* H cor. w.  
 27471 *acanth.* S slender 3-4' upper lip pale g. w. at mag. lobes; lower lip  
 27472 *Phyllodendron* EH  
 27473 *mus. catanhu* on soil in extensive mats  
 27474 ? *"Cortez de ojo medicina"* - T "tall" with cap. put in warm water & used for  
 27475 *Clidemia* S slender 3-4' Pet. & fil. pink w; anthers  
 27476 *Siparuna* T slender 12-15', fr. dimly from trunk.  
 27477 *Philodendron* H ter. Chast. light gr. Spad. w.  
 27478 *Muhania* WV Pap. w.  
 27479 *Hyptis* H 2-3' Cor. pale pi.  
 27480 *Rynchospora* H  
 27481 *Bignonia* WV.  
 27482 *Palicourea* S 5-10' Cor. bright y.  
 27483 ? T 12-15' spreading br.  
 27484 *Ficus* S 10-12'  
 27485 *Tunga* T elong. br. Pet. greenish w. Nils. light pi.  
 27486 *Piper* T slender 12-15'  
 27487 ? *"Cebe A" "barbasco"* T slender up to 3' then becoming WV 12-15 plants  
 27488 *Euph.* ? T 12-15' Buds y.  
 27489 *Alsophila* ? H  
 27490 *Adiantum* N  
 27491 *Moss* On dec. logs  
 27492 *Scleria* N  
 27493 *Apoc.* WV Cor. tube light gr. lobes w, gr. tinged br. base  
 27494 *Phyllanthus* ? S 10-12' spreading br.  
 27495 *Verbesina* H 2-4' woody bl. Cor. light blue  
 27496 *Lycopodium* H 1-3' Cor. y.  
 27497 *Peperomia* H ter. Pl. succ.  
 27498 *Amaranthus* H ref. Infl. wh.  
 27499 *Cassia* H  
 27500 *Pilea microphylla* H  
 27501 *Hura crepitans "catanhu"* T tall Sep. very poisonous 2 bottles taken for Blanco  
 27502 *"toque"* S 4-5' stem used for tea for headache or wh.  
 27503 *Tephrosia toxicaria* S slender 6-8'  
 27504 *"Cebe A."* S

Aug. 11 woods (Puchiano) Iguitas  
 w. marked with g at center; fil. + sty. pale g; ant. ywh.

~~sandy clearing~~  
 13 woods (San Juan) bought for 8000  
 & 7 quites

clearing

woods

Pl S 18-29

sandy woods  
 woods

clearing  
 14 waste places

woods clearing

(Huyabamba)  
 - "barbasco terana" (col. Ferry) Puerto Leguia  
 - "jacai"



All done to line  
2 m

- |       |                 |                               |   |
|-------|-----------------|-------------------------------|---|
| 27505 | Piper           | S 8-10'                       |   |
| 27506 | Cordia obscura  | S 2-10' with<br>S. elong. br. | cor. w.                                     |
| 27507 | Necotia         | S 8-12'                       |   |
| 27508 | Malpigh.        | S 10-12'                      |   |
| 27509 | Polygon.?       | H V                           | pls. wh.                                    |
| 27510 | Inga            | T slender<br>12-15'           | pls. wh.                                    |
| 27511 | Grass           | H 3.5-5'                      |   |
| 27512 | Metastelma      | H V                           | Cor. w, lobes, stippled<br>deep; corona wh. |
| 27513 | Anon.           | T 20-25'                      | Calyx deep r.                               |
| 27514 | Rub. ? Myrsine  | T slender<br>12-15'           | Bracts light gr.<br>Cor. gr.                |
| 27515 | ?               | T 15-20'<br>elong. br.        | Cor. wh.                                    |
| 27516 | ?               | S 10-12'                      | Buds y-g                                    |
| 27517 | Mimosa          | S 8-10'<br>along br.          | pls. pi.                                    |
| 27518 | Urera           | S slender<br>to 5'            | Anth. wh.                                   |
| 27519 | Solanum         | S with<br>to 15'              | Fr. cr. r.                                  |
| 27520 | Rub.            | S 6-8'                        | Cor. wh.                                    |
| 27521 | Rub             | S 6-8'                        | Cor. wh.                                    |
| 27522 | Anon.           | T 20-25'                      | Pet. light salmon. pi.                      |
| 27523 | Ploradendron    | S par.                        |   |
| 27524 | ?               | T 15-20'                      | Mr. gr.                                     |
| 27525 | Mor.            | T 15-20'                      | Fr. gr.                                     |
| 27526 | Sargassum       | W V                           | Buds greenish w                             |
| 27527 | Comp.           | S along br.                   | Pap. wh.                                    |
| 27528 | Loucheocarpus   | S low, with<br>to 15'         | Pet. rich pi.; st. pale out                 |
| 27529 | Comp.           | S along br.                   | Pap. wh.                                    |
| 27530 | Nicotia         | T 15-20'                      |   |
| 27531 | ?               | T 15-25'                      | fr. deep r. to pur.                         |
| 27532 | Guattiera       | T 12-18'                      |   |
| 27533 | Tabernaemontana | S 5-7'                        | young. cor. greenish w.                     |
| 27534 | Guattiera       | T 20-25'                      |   |
| 27535 | melast.         | T slender,<br>10-15'          |   |
| 27536 | ?               | T 18-25'                      | calyx deep r.; fr. g.                       |
| 27537 | Anthurium       | F. H.                         |   |
| 27538 | ?               | S 10-12'                      | fr. deep pur.                               |
| 27539 | [Solanaceae]    | H. U.                         | cor. cr. w, ting. w. bl.;<br>ant. g.        |

Aug. 18. thickets

Pohitania <sup>away or, near</sup>  
mouth of Uc.

19 woods & banks of R. Marañon, near R. Tigre



- 27540 *Carex* ? *Synp.* T 12-15' Pet. yish-w; fil. w  
 27541 *Psidium* T 20-25' Pet. gr. out, wh in  
 27542 *Davila* S 10-12' Fr. dark br  
 27543 ? T 10-12' Fr. & light gr.  
 27544 *Miconia* T 15-20' fr. light gr.  
 27545 ? T 25-30' Fr. 1. dist. yish pur.  
 27546 *Mimosa* T 25-30' Fr. 1. dist. yish pur.  
 27547 *Vernonia* S slender, long Cor. pale to deep pi.  
 27548 *Davila* S 8-12' Pap. w  
 27549 *Hirtella americana* S 8-12' Stam. pi.  
 27550 *Miconia* T 20-25' Pet. gr. out, w in  
 27551 ? T 12-15' Cor. deep pur.  
 27552 *Scleria* H subse. Pet. bright pt.  
 27553 ? T 15-20' Achens w  
 27554 *Myrsin* ? S erect, 4-6' Cor. cr.-wh.  
 27555 *Piper* S 8-12' Cor. o. sly w,  
 27556 *Hibiscus* WV fr. tinged.  
 27557 *Tetraptero* WV Fr. light gr.  
 27558 ? T 15-20' Buds, pink w  
 27559 *Tabernaemontana* T 15-20' Cor. cr.-w. h wh  
 27560 *Olyra* H 4-7' Fr. black  
 27561 *Lasiacis* HV Fr. black  
 27562 *Buddleia* ? S 8-12' Fr. bright gr.  
 27563 *Madia* ? S 10-12' Fr. r  
 27564 *Rub.* ? T 20-25' Fr. r  
 27565 *Cube A?* T slender 3-4' Apparently wild  
 27566 *Cube A* "barbass" T 6-12' Fr. 4 plants each  
 27567 *Baccharis* S 8-12' Infl. pink w  
 27568 *Piper* S 8-10' Fr. r  
 27569 *Heliconia* H 5-7' Br. br. r., fr. y  
 27570 ? sep? WV Pet. w  
 27571 ? T 15-20' Cor. pink w  
 27572 *Sapot.* T 25-30' Fr. br.  
 27573 *Serjania* WV Fr. r.  
 27574 *Passiflora coccinea* V + woody Pet. r. sep. scarlet; fil. purplish black  
 open w

Aug. 22 open woods

Yurimaguas

Ph 15 C-27

clearing cut,  
open woods*Tetralix*  
*manipulator* ParkPet & sep scarlet; fil. purplish black  
open w



27575	Miconia	S spreading 8-15'	Fr. black
27576	Miconia	S 8-12'	Fr. (not ripe) light or
27577	Centropogon	S elong. br. 6-8'	Calyx lobes pale Cor. pi, lobes pale
27578	?	T 15-20'	Fr. deep r
27579	Apoc.	HV	Cor. green w
27580	?	T 15-20'	
27581	Apoc.	HV	
27582	Centropogon	S elong br	Cor. with lvs dull Cor. pi, lobes w
27583	Aristolochia	HV	Fl. purp, gr-striated, stam. obov. deep
27584	Ananarrhus	N lax 3-4'	purp. inf. wh Cor. lobes light pi lobes deep pi
27585	Ipomoea	HV	
27586	Tchuosiphon	H 3-4'	Per. wh
27587	Polygala	H 3-4'	Pet. pale pi
27588	Piper	S slender 4-5'	
27589	Passiflora auriculata	HV	
27590	Rub.	S 3-4'	Buds green w
27591	Sipanea	S 17m. T along br.	Fr. dull r
27592	Calathea	H 5-7' in clump	Per. light Fr. purplish br.
27593	Miconia	T 25-30'	Fr. purplish black
27594	Jacquinetia	HV	Cor. wh.
27595	?	S slender	Pet. green w
27596	Nyssa	T with slender br., 10-12'	Fr. black
27597	Sapot.	T	Buds green
27598	Miconia	T 12-15'	Fr. deep purp calyx purplish anther gr. or w
27599	? <i>Willd. R.E.</i>	S	
27600	Nyct.?	T slender	
27601	Bauhinia?	WV	Pet. w, faintly pi-striated
27602	Acauth.	S 2-3', slender erect	Cor. cr. w
27603	Miconia "sensibilis"	S low 2-3'	Fls. w, anther gr.
27604	Anthurium	H ter	S & S deep pi.
27605	?	T slender 10-12'	No fls.
27606	Apoc.	T 15-20'	Cor. w; sep. w
27607	Psychotria	T erect 15-20'	Cor. dark pi
27608	Caladium	N ter	Spath. gr prox, w dist., spat. green-pi
27609	Chlorophora	T	Inf. green

Aug 22 open woods

Yumaguas

green pass.



- 27610 ? solanac. T 15-20' pet. w.; ant. y.  
 27611 ? S 12-18' pet. + fil. cr. w.;  
 27612 Piper S 7-10' ant. bl.; young fr. g.  
 27613 Commelina H 3-5' per. deep pur., paler  
 27614 Solanum H 4-8' prox. cor. g.; ant. y.  
 27615 Piper S 10-12' br. pur. beneath  
 27616 Piper "pluvinosa" T 10-15' S straggling  
 27617 Clitellaria E H spikes w., br. o. at base  
 27618 Solanum S straggling, 1/2" spathe g. rich pur. in prox. fr. o. r.  
 27619 Piper S 7-12' slender stalks;  
 27620 hep. H 2-4'  
 27621 Piper on tree trunk  
 27622 frugus S 4-5'  
 27623 Tectaria on humus stalks cr. w.;  
 27624 Solanum H 2-3' cor. w.; ant. y. br. o. r.  
 27625 Asplenium serratum E H  
 27626 Clitellaria "grande" E H spikes dull pur.  
 27627 ? T 10-12' slender, spathe rich pur.  
 27628 Piper S 10-12' per. & stig. cr. w.  
 27629 leg. H scan. pet. rich pur.  
 27630 acauth. H upper lip. bl., lower  
 27631 Bilimbi H 5-12' all w. mag. w. bl. in.  
 27632 rub. S 1-3' under side of lvs. pur.  
 27633 palm. S caudex 3-5'; stipe 6-8'; fr. in large clusters  
 27634 ? T 10-12' (incl. fr.) 20-30' at base of lvs.  
 27635 sapot. H U. dependent from trees  
 27636 ? T 20-25'  
 27637 rub. Fox S 10-15' fr. pale y.  
 27638 ? H 2-4' fr. o.  
 27639 Phyllodeusae T 15-20' fr. pale r.  
 27640 Peperomia E H  
 27641 moss. E H  
 27642 acauth. on decayed log.  
 27643 rub. H 1-2'  
 27644 rub. S 10-12' fr. black.  
 S 3-5' fr. w.

Aug. 23 dense forest

Yurimaguas

edge of " "

dense forest

Pl. S. 72-6



- 27645 *Casiana?*  
 27646 *lron.*  
 27647 *palu*  
 27648 *palu.*  
 27649 ?  
 27650 *morac.*  
 27651 *lep.*  
 27652 *sepot. "sepot"*  
 27653 *Capparis*  
 27654 *Cyclanthus*  
 27655 *apoc.*  
 27656 *amaryll.*  
 27657 ? *polygon.*  
 27658 *anon?*  
 27659 *Piper*  
 27660 ? *Rosmaria*  
 27661 *sepot?* "ciguels" *anon.*  
 27662 *Inga*  
 27663 *Acalypha*  
 27664 *Passiflora*  
 27665 *Stryopteris*  
 27666 ?  
 27667 ?  
 27668 *Campyloneuron*  
 27669 *sapind.*  
 27670 ?  
 27671 *Poly botrys*  
 27672 *Solanum*  
 27673 ?  
 27674 *Clusia*  
 27675 *aroid*  
 27676 *aroid*  
 27677 *Guattiera* *percul.*  
 27678 *myrt.*  
 27679 *anon?*

- T. 12-15' pet. cr. w.  
 fr. pale y.  
 E.H. bracts pale p.; bran. of  
 caudex 3-6' lvs. (incl. st. 12-20')  
 fr. in clusters at base of lvs.  
 30-40' trunk erect, 6" diam.  
 T. infl. below lvs., in a crown at  
 S. 10-15'  
 T. 10-18'  
 on tree trunk branching only  
 up to 20' erect. at summit  
 T. trunk (above buttresses) 3 diam.  
 S. 3-5' tangled. ant. o. brown.  
 trunk 8-12' erect, 1/2" diam.  
 bran. of infl. o.; fr. black.  
 S. 8-15' cor. w.  
 H. all fl. parts w.  
 ex. ant. br.  
 S. 8-10' fr. r.  
 S. bran. depld.  
 T. 15-20' base of calyx r.;  
 young fr. g.  
 S. 4-6'  
 H.U. + repent. tuber used to  
 cure rheumatism  
 T. 25-40' pet. pale  
 fr. edible  
 T. 18-30' fl. w.; "cor." cr. w.  
 S. 4-8' sty. r.  
 H.U.  
 H. 10-15' cor. & fl. cr. w.;  
 ant. y.  
 T. 12-18'  
 E.H.  
 W.U. fr. o. r.  
 S. 12-15' fr. pale g.  
 H. climbing against tr.  
 H. 2-3' ± woody cor. w.; ant. y.  
 below.  
 S. 10-12' cor. & fr. pale y.  
 T. 15-20' fr. br. y.  
 E.H. fr. deep pur.  
 E.H. spathe becoming y.  
 fr. dull g. to brown.  
 T. 15-20'  
 S. 12-15' cor. y. to g.  
 T. 12-18'

Aug. 23 Dense forest Jurunaguas  
 infl. & young fr. pale g. covered with w. powder.

Ph. S. 22-8

seeds used to make buttons, etc.  
 summit; lvs. (incl. st.) 10-15'

cal. greenish y.;  
 pet. pale y.

Ph. S. 22-10  
 (base of tr.)

open woods

lvs. mottled with r.

clearing

open woods  
 thickets  
 dense forest



- 27680 rub. S. 12-15'
- 27681 *Convolvulus?* H. U. cor. br. y.
- 27682 *Antennaria* L. H. spathe + spadix rich pur.
- 27683 *Guattiera* R. v. ? S. 5-8'
- 27684 *Piper* S. 8-10'
- 27685 ? S. 10-12'
- 27686 *Coranth* F. S. fr. o. r.
- 27687 *Clary* T. slender 10-15'; fr. directly from trunk; buds o. 12-15' cor. w.
- 27688 *Cordia "odorata"* T. 2-3' cor. tube w.; lobes deep bl.
- 27689 *acanth* H. 2-3' cor. pure w.
- 27690 *acanth* S. 2-3' buds greenish w.; fr. g. ; mature calyx x (?) s.
- 27691 ? T. 10-15' buds pale g.
- 27692 ? T. 10-15' cor. greenish w.
- 27693 ? S. 4-6' cor. pure w.
- 27694 *apoc.* S. spreading; bran. of inf. o. r. ; cor. y. lobes narrow
- 27695 *rub.* S. 7-12' cor. greenish w. ; fr. pale g.
- 27696 ? S. 12-15' gined w. deep r. ; mature calyx x (?) nch p.
- 27697 *Stryopteris* H.
- 27698 *rub.* S. 10-12' fr. becoming black.
- 27699 *rub.* T. 10-15' bran. of inf. p. ; fr. p.
- 27700 *rub.* T. 10-12' bran. of inf. p.
- 27701 *apoc.* T. 12-15' cor. w.
- 27702 ? T. 15-20'
- 27703 ? T. 12-15' fr. deep r. + g.
- 27704 ? T. 12-15' buds brownish
- 27705 *Utricularia* H. floating in stag-wat water cor. y.
- 27706 *Salvinia* associated in dense mats " "
- 27707 *Ayolla* " "
- 27708 *Riccia?* " "
- 27709 *Laur?* 15-20' fl. parts w.
- 27710 *apoc.* "Caracuche" S. 10-12' buds w. ; sep used in Compress for toothache
- 27711 *Heliconia* H. 8-10' ; lvs to 4' h; inf. drooping ; Br. r. ; ped. y. ; dist. ; per.
- 27712 *Morac.* T. 12-15'
- 27713 *Piper* S. 8-12' spikes erect
- 27714 *Cordia* S. slender 5-7'

Aug. 23 dense forest  
thickets  
on fruit tree in clearing  
dense forest

Yurumaguas

gined w. deep r.  
mature calyx x (?) nch p.

open swamp.

clearing

24  
Y. fruit deep bl. dense forest Bto. Antero, near Yurumaguas



27715	Lantana	S 7-9'	Pr. deep pi.
27716	Acumb.	HV	Sterile
27717	Piper	S <sup>10-15'</sup> 8-12'	
27718	Justicia	H 1-2'	Cor. w
27719	Bauhinia	S subsc.	Pet. cr. - w
27720	Cordia	S 6-8'	Pr. r
27721	Chomelia	S 8-12'	Cor. deep y
27722	Rub.	S subsc. 8-10'	Pr. fine w
27723	Peperomia	EH	
27724	Adiantum platyphyllo	H	
27725	Adiantum	H	
27726	Piper	S 8-10'	
27727	?	T slender 12-15'	
27728	Cordia "nodosa"	S 8-12'	Pr. y
27729	Aron.	T 15-20'	
27730	Piper	S 8-10'	
27731	Marant.	H	Per. w
27732	Philodendron	EH	
27733	Arac.	EH	Spact. deep pi. Spad. light pi
27734	Fungus	On log	Pl. dark gray
27735	<del>Rub.</del>	S 12-15'	Pr. deep r.
27736	?	T 15-20'	
27737	Acumb.	HV	Sterile
27738	?	T 20-25'	Buds light gr.
27739	?	T slender	Pr. dark gr.
27740	Gesner.	S erect 4-5'	Br. pi Cor. y
27741	Acanth.	S erect 5-6'	Cor. w
27742	Rub.	T slender	Pr w
27743	Myrsin.	S erect 8-10'	Pr. deep pink.
27744	<del>g</del> Gesner.	<del>On log 7-10'</del>	
27745	Philodendron	EH	
27746	Orchid	EH	Seg. pink - y
27747	Selaginella	H	
27748	Peperomia	Nephon	
27749	Rub. ? Euph. ?	T 15-20'	Pet. or. - y

Aug. 24 Edge of forest Pto Arturo, near Yumangua

dense forest



- 27750 *Funigis* On log of 27749  
 27751 *Auricularia* EH Spathe pi  
 27752 ? HV Spad. grayish-pi  
 27753 *Solanum* S subsc. Pr. light gr.  
 \* 27754 *Begonia* H scand. Cor. w  
 \* 27755 *Pleura* H Pet. w, arch y  
 27756 *Acalypha* S erect  
 27757 *Piper* S 7-9'  
 27758 *Rub.* S 8-12'  
 27759 *Funigis* H rep. Pr. r  
 \* 27760 *Solanum* On log erect  
 27761 *Rub.* H 2-5' Lvs deep purp, base  
 27762 *Leg.* S slender Cor. white, light gr.  
 27763 *Rub.* S 5-6' Pet. w  
 27764 *Epiphyllum* S 12-15'  
 27765 *Scleria* EH  
 27766 *Rub.* H  
 27767 *Rub.* T slender Pr. or r  
 27768 *Euph.?* S 10-12'  
 27769 *Grass* T 15-20'  
 27770 ? H 3-4'  
 27771 *Acanth* T slender Cor. greenish w  
 27772 *Peperomia* H up to 10' lvs grayish  
 27773 *Diplazium* H rep on t t  
 27774 *Adiantum* H  
 27775 *Palme* PL 6-8' Pr. or r  
 \* 27776 *Leg.* T 30-40' Infl. yellow, brown  
 27777 ? T slender n. base of trunk  
 27778 ? *Malp* S Pet. y  
 27779 *Dryopteris* H  
 27780 *Solanum* S 6-8' elong br.  
 27781 *Malpigh* WV  
 27782 *Philodendron* EH Spathe pi. purp  
 27783 *Manant.* H 8-10' y-g dist.  
 \* 27784 *Orbanchia* EH Per. or r

Aug. 24 dense forest Pto. Arturo, near Guernsey

clearing  
dense forest



27785	<i>Euph.</i> ?	T slender	
27786	<i>Piper</i>	S 7-9'	
27787	?	T 40-50'	Fr. only; no lvs
27788	<i>Trichomanes</i>	H <sup>up on</sup> tree	
27789	?	T slender	Buds light gr.
27790	?	T slender	Fr. pi
27791	<i>Melast.</i>	T slender	
27792	<i>Stenochlaena</i>	H climbing tree tr	
27793	?	S slender	Fr. bright r
27794	<i>Adiantum</i> <del><i>aphellum</i></del>	H	
27795	<i>Philodendron</i>	Et	
27796	<i>Dennstedtia</i>	H	
27797	<i>Struthiopteris</i>	H ter	
27798	<i>Philodendron</i>	H ter	
27799	<i>Ruellia</i>	S slender 2-3'	Br. light gr.
27800	<i>Antrophyum</i>	H ter	
27801	<i>Eucrosia</i>	H bulbous root Per. w	
27802	<i>Myrsine</i>	T slender	
27803	<i>Piper</i>	T 12-15'	
27804	<i>Rub.</i>	S 10-12'	Ripe fr. deep purp
27805	?	T 20-30'	
27806	<i>Piper</i>	T 12-15'	
27807	?	T slender	
27808	<i>Polygodium</i>	Et	
27809	<i>Funigis</i>	On log	Pl deep purp.
27810	<i>Funigis</i>	On log	Wh above salm - fr. here.
27811	<i>Acanth.</i>	S erect 6-7'	Buds green w
27812	<i>Cyclanthus</i>	Pl 7-8'	
27813	<i>Piper</i>	S 8-10'	
27814	<i>Anthurium peltatum</i>	Et	Spad. of margin darkish - fr. steel
27815	<i>Leptochilus</i>	H	
27816	<i>Tectaria</i>	H	
27817	<i>Philodendron</i>	Et	
27818	<i>Rub.</i>	S 8-10'	Fr. w
27819	<i>Passiflora</i>	H v	Slender

Aug. 24 dense forest Pto. Arturo, near Yurimagu

Spad. rich purp



- 27820 *Cephaelis* "abi" H spreading br.  
 27821 *Dryopteris* H  
 27822 *Talium* H fleshy 1-2'  
 27823 *Solanum* "cocona" H Coarse 2-4'  
 27824 ? "cocona" S slender  
 27825 *Passiflora* HV  
 27826 *Dryopteris* H  
 27827 *Comp.* H  
 27828 *Passiflora hispida* HV "pure-pure" fr. eaten  
 27829 *Vernonia* var H to 10' Erect stem See notes  
 27830 *Leg.?* T 15-20' Flowers purp.  
 27831 ? "leg." S 4-5' Fr. y or.  
 27832 ? T slender Sep. light g. anthers y  
 27833 *Leg.* T 20-25'  
 27834 *Passiflora tiliaefolia* HV See notes  
 27835 *Miconia* S 8-10'  
 x 27836 *Solanum* S 3-4' Pet. w, anthers y  
 27837 *Clitadum* "guaco" S 6-10' Fr. w. Mr. bluish  
 27838 *Houvea* HV Cr. tube fr. out, purp. in bluish w  
 27839 *Centropogon* S elong br. Cr. fr. lobes pale  
 27840 *Apoc.* HV Cr. g. y  
 27841 *Calceolium* H Spathe g. y  
 27842 *Sanchezia* H 2-3' w. dist. perov Br. dark y or r.  
 27843 *Houvea polyanthes* HV Cr. y  
 27844 *Eucrosia* H bulb. Per. y  
 27845 *Acanth.* H Cr. w  
 27846 ? T  
 27847 *Lycopodium* HV  
 27848 *Melast.* S 5-7' Pet. w  
 27849 *Passiflora serratochryata* HV  
 27850 *Acalypha* H 2-3' Lar  
 27851 *Solanum* H Mr. 4-5' Fr. w, g. - stipid  
 27852 *Saccoloma* H 30-40' T bulb ± 8"  
 27853 *Heliconia* H  
 27854 ? *Acanth.* H low flat on ground, brown above, white below leaves

Aug. 24 Clearing Pto Alberto, near Yurimaguas

edge of forest clearing

thickets

dense forest

thickets dense forest

thickets

dense forest

thickets dense forest

thickets

dense forest



27855	Moss	On log	
27856	"	"	
27857	Heep.	" tree twigs	
27858	"	" twigs	
27859	"	" lvs	
27860	Trema micrantha	T 20-25'	
27861	Solanum	H erect 4-5'	Cor. w; anthers y
27862	Solanace.?	S 6-8' along br.	
27863	Phenax	H	
27864	Gossypium	S 6-8'	Pet. y
27865	?	T 25-30' Fr. eaten	
27866	Jacquinia	S erect 5-6'	Cor. scarlet
27867	Leg.	S	Buds gr.
27868	<del>Sapot.</del> ?	T 15-20'; lvs taper; fls. on trunk	
27869	Leg.	S	
27870	?	T slender	Fls. greenish w
27871	Rub.	S spreading 8-10'	
27872	Melast.	S 10-12'	Buds greenish w
27873	Peperomia?	H ter	Fls deep dr. variegated with white; pink here.
27874	?	S slender 8-10'	Buds greenish w
27875	Piper	S 7-10'	Fls. small
27876	<del>Sapim</del>	S 11 m. T	Fls w
27877	Rub. Logan.	S erect 6-8'	Cor. lobes gr
27878	Rub.	S 8-10'	
27879	Sapim	T 12-15'	
27880	?	WV twining to th	Fls. w
27881	Myrsin.	S 15-20'	
27882	Piper	S 10-12'	
27883	Asplenium	EH	
27884	Orchid	EH	Seg. gr., lip w
27885	Harrisia	EH	
27886	Cucurbit.	HV	
27887	Brouss.	EH	Br. r
27888	?	T 20-30'	
27889	Orchid	EH	Seg. greenish y

Aug. 24 Dense forest Pto. Arturo, near Guernaguas

25

clearing

dense forest

near base; petals light y; anthers y



27890	Malaxis	EH	per. very rose-red
27891	Peperomia	EH	
27892	<del>Dioscorea</del> <i>Memora</i>	HV	frs. bractey
27893	Arakurim	H <sup>er</sup>	Per. gr.
27894	Laur.?	T slender	Spath. deep gr.
27895	Pteris	H	
27896	Apo.	S erect	
27897	Acalypha	S 8-10'	Cor. greenish w.
27898	? <i>Verb.</i>	S 10-12'	
27899	Tabernaemontana	T 15-20'	Fr. pi
27900	Fern	S 6-8'	Cor. w
27901	Philodendron	EH	
27902	?	S 10-15'	Spath. dark gr, to y-g; spad. w
27903	Moss	On dec. log	Fr. deep gr
27904	<i>Rub.</i>	T slender	
27905	?	S slender	
27906	?	S slender	
27907	Cyathula	H 2-3'	Inf. greenish w
27908	?	T slender	Fr. purplish black
27909	Struthiopteris	H climbing	
27910	Piper	T 12-15'	
27911	Acanth.	S erect	
27912	?	S 4-6'	Cor. cream w
27913	?	T 15-20'	Fr. light y
27914	?	S slender	
27915	?	S low	
27916	?	T 12-15'	
27917	?	T	Fr. or. - y
27918	?	S 1-2'	
27919	? <i>Musa</i>	S 8-10'	
27920	?	S 10-12'	
27921	sub. <i>Musa</i> ?	S	
27922	Cuph.	T 12-15'	
27923	Rub.	T slender	
27924	Rub.	S 2-3'	Br. no-pink
		S 4-12.5'	Fr. bright blue

Aug. 25 dense forest, Pto. <sup>Arturo</sup> Alberto, near Yumangua



27925	Rob. Nees?	S 8-10'	
27926	Auc.?	T low	Tr. deep r
27927	Philodendron	Et	
27928	Anthurium	Et	
27929	Liliac.	S 6-10'	Pet. w
27930	Leg.	N reh.	Pet. w
27931	Blechnum	H	Cr. pulch w
27932	Cecropia	T 40-50	
27933	Inga "parinari"	T 50'	Pet. y-w (fr. used child pick w/ for ink)
27934	Cassia	T 30-40'	Pet. y
27935	?	T tall	Tr. brown
27936	Miconia	S or am. T	
27937	Melast.	S	Pet. w
27938	?	S or am. T	
27939	Vismia	T 25-30'	Pet. yish - w
27940	Beijron.	WV	Cr. pulch - blue
27941	Benthamaulha	HV	
27942	Apoc.	T	Cr. w; sap w
27943	Sipanea	T	Tr. r.
27944	Myrt.	S	Pet. w
27945	Leg.	WV	Pet. pulch blue
27946	?	WV	
27947	Paulownia?	WV	
27948	Melast.	S or am T	
27949	Mikania	WV	Pap. wh
27950	Leg.	WV	Pet. pi.
27951	?	T small	
27952	Leg.	WV	Pet. pi
27953	Cordia	S 8-10'	
27954	Mendoncia	HV	
27955	Piper	S 8-10'	
27956	Aroc.	H 6-10'	
27957	Ipomoea	HV	Cr. fi.
27958	Coccolobis	T	
27959	Eleocharis	H	

Aug. 25 Dense forest Pto Arturo, near Yurimaguas

clearing

edge of woods  
clearing

woods "

clearing  
woods

woods

Yurimaguas Ph S 22-12

Ph S 22-13

Ph. S. 22-14

open swamp



27960	Piaropus	H	
27961	Pityrogramma	H	
27962	Eleocharis	H	
27963	Alisma	H	
27964	Grass	H	
27965	Arac.	H ter?	space deep in at light gr. in; of adn.
27966	Apoc.	S erect	Cor. w
27967	Nucoma	S 8-12'	
27968	Rub.	S 6-8'	Bush pink w
27969	Tibao? Euph.	T	
27970	?	T	
27971	Bauhinia	WV	
27972	Rub.?	T or S	Br. deep pink
27973	Acanth.	H 1-3' woody h.	Cor. pale pi.
27974	?	T	
27975	Olyra	H 5-6'	
27976	Myrt.	S	
27977	Palu.	TP	
27978	Melast.	T	
27979	Anthurium	EN	Br. deep pi
27980	?	T	
27981	?	WV	Pet. w
27982	Peperomia	EN with drooping br	
27983	Myrcia	T slender	Pet. w
27984	? Solan?	S or erect	
27985	?	T	Br. or. r
27986	Jacquemontia	HV	Cor. w
27987	Visumia	T	
27988	?	T	
27989	Rab.	S	Br. pure w
27990	Rub.	V 1 woody	Cor. rich pi
27991	? Verb?	T	
27992	Peperomia	H rep. on tr	
27993	Sauzebozia	S erect 2-4'	Br. r; cor.
27994	Cule A "farbungen"	T 6-8' - 2 yrs. old ± 6 trees	

Aug. 25 open swamp

Yumaguas

pink. pi woods

dense forest

clearing (cult.) 16kg boots bought for 2.50 s



27995	<i>Passiflora coccinea</i>	HV	Sop. scandat Hls. purk. brn w.
27996	<i>Aristolochia</i>	HV	Hls. deep purk gr. - dent
27997	Cube A "barbarea"	T 6-8'	(About 20 plants)
27998	<i>Alpinia</i>	H 8-10'	Br. r fr. or-y
27999	<i>Solanum</i>	H 2-4'	H 2-4' Cor. pink w aut. y
28000	<i>Costus</i>	H	Br. or-y Per. bright y
28001	? Rub?	S on soil	
28002	<i>Anthurium</i>	ET	
28003	?	T	Br. pinkish w
28004	<i>Acauth.</i>	S erect 5-6'	
28005	<i>Solanum</i> ?	S slender	Cor. pinkish w aut. w
28006	<i>Heliconia</i>	H 5-6'	Br. pinkish w rich pi, det. Per y
28007	?	T	Pr. w, gem. or main branches
28008	Cube A "barbarea de monte"	T	
28009	<i>Philodendron</i>	ET	
28010	<i>Ruellia</i>	H 2 woody	Br. light gr
28011	<i>Myrt.</i>	T slender	
28012	<i>Pteris</i>	H	
28013	<i>Adiantum</i>	H	
28014	<i>Anthurium</i>	ET	Spath. pinkish w
28015	<i>Morac.</i>	S on soil	
28016	<i>Tectaria</i>	H	
28017	Rub.	S 5-10'	Cr w
28018	<i>Peperomia</i>	ET	
28019	<i>Acauth.</i>	H	Cr tub. w, lobes light pi
28020	?	T	Pr or
28021	<i>Philodendron</i>	ET	
28022	<i>Psychotria</i>	S slender	Lvs bright purk brn
28023	Rub.	S slender	Pr. pure w Hls. 7-9
28024	?	T	Br. pinkish w
28025	<i>Scleria</i>	H	
28026	<i>Palm</i>	T	
28027	?	?	Br. pi; fr. black
28028	<i>Hep.</i>	On branches	
28029	<i>Anon.</i>	T	

Aug. 25 Dense forest

Gurmagua

woods

clearing  
woods dense forest



28030	Peperomia	Est	
28031	Piper	S 8-10'	
28032	Apoc.	S	
28033	Demostedtia	H	
28034	Philodendron	Est	
28035	Philodendron	Est	
28036	Anon.	T	
28037	Peperomia	Est	
28038	Peperomia	prop. orth	
28039	<del>Mor.?</del>	T	
28040	Sanchezia	S low Brn. gr. Cor. lighter	
28041	Alismac.	H	
28042	Alga	H <del>in water</del>	
28043	?	S 8-10'	
28044	Gossypium	S 8-10' Pet. yish-pi	
28045	<del>Baccharis</del>	T	
28046	?	T	
28047	Cocculus	WV Pr. black	
28048	Psychotria	T erect, 15-20' Cor. rich pi	
28049	Rub.	T Pr. black	
28050	Laur.	T Pet. green w	
28051	?	T Pr. pi	
28052	Melast.	T Pet. w	
28053	?	S or am	
28054	Malpigh.	S Pet. y	
28055	Jacobinia	S erect 6-8' Cor. lighter	
28056	Bumfelsia	S Cor. bl o w	
28057	?	T	
28058	Ipomoea	HV Sep. purplish	
28059	Souania	WV	
28060	Apoc. ? <del>Mendocina?</del>	WV	
28061	Centropogon	S along fr Cor. pi, lobes pale	
28062	Myrt.	T slender	
28063	Jouroua	S or smooth	
28064	Jouroua	T sm Cor. tube gr, lobes cr-w; fr. pure w	

Aug. 25 Dense forest

Yummaguas

woods

open swamp

woods

clearing?

woods

26 Woods (Bet. Y. &amp; Fortaleza Portolera) Bet. Y. &amp; Balsapuerto



- 28065 *Serjania?*  
 28066 *Polypodium*  
 28067 *Peperomia*  
 28068 *Peperomia*  
 28069 *Passiflora*  
 28070 *Jilias*  
 28071 *Melast.*  
 28072 *Cypripedium*  
 28073 *Cordia?*  
 28074 *Anthurium*  
 28075 *Cucurbit.*  
 28076 ?  
 28077 *Nicotiana*  
 28078 *Rub.*  
 28079 ?  
 28080 ?  
 28081 *Ficus*  
 28082 *Apoc.*  
 28083 ? *Lat.*  
 28084 *Rub.*  
 28085 *Piper*  
 28086 *Peperomia*  
 28087 *Solanum*  
 28088 *Delphinium*  
 28089 *Rub.*  
 28090 *Piper*  
 28091 *Begonia*  
 28092 *Melast.*  
 28093 *Acanth.*  
 28094 ?  
 28095 *Hib.*  
 28096 *Acanth. Piper*  
 28097 *Acanth.*  
 28098 *Moss*  
 28099 *Acanth.*

HV  
 HV on tit  
 H <sup>ref. on</sup> ~~Urgo~~  
 S <sup>2-3'</sup> ~~6-8'~~ Br. r.; cor. pale  
 HV <sup>for dark lvs & mottled</sup> with above, purple lvs.  
 S on t  
 S slender Pet. w  
 TF <sup>quad. 4-5', slanting</sup> fr. (incl. st.) 3-5'  
 S on t Cr. w  
 EH <sup>spikes o. fr.</sup> deep pi.  
 HV <sup>fr. r.</sup>  
 T slender  
 T 10-15' fr. r.  
 T 15-20'  
 S fr. pure w  
 T  
 T fr. cr-w  
 S on t  
 S erect  
 T  
 S erect  
 S 8-10' Bract reddish pink;  
 S Br. r.; fr. y  
 S erect Cr. w; anther g-y  
 H  
 S ~~on~~ Branchy inf. o  
 S 10-12' br. reddish pink  
 H 1.5-2' Pet. w; anther y  
 S? Pet. w; anther  
 S 2-3' deep gr.  
 S Cr. pi.  
 T  
 on twigs  
 T 12-15'  
 S Cr. w  
 on tit  
 H

Wings of fr. r.; seeds  
 black

Aug 26 woods

(Bet. Y. o ~~Portobaca~~  
 Fortaleza)

y. lobes r

Fortaleza  
 dense forest (Bet. ~~Portobaca~~ & Moriches) 135-150 m.



28100	Peperomia	EH	
28101	Peperomia	EH	
28102	Rub.	S	infl. bright
28103	Miconia	S or dm. T	
28104	Leg.	WV	st. pi. w rk
28105	Cucurb.	HV	paler
28106	Malpigh.	WV	cor. or-r
28107	Piper	T 10-12'	
28108	Solanum	H 3-4'	
28109	Piper	S 8-12'	
28110	Nyssa 2?	S	Tr. black
28111	Laur.	T	Pet. w
28112	<del>Large</del>	S ± 2'	Tr. or-y
28113	Anthurium	H or	
28114	Rub. Guttif.	T	
28115	Peperomia	EH	
28116	Jacobinia	erect	Br. & cor scarlet
28117	Mor. ?	T	
28118	Rub.	S	Tr. w
28119	Piper	S 8-10' WV pendant with deflexed branches	
28120	Begonia	H scandent	Pet w
28121	Pachira	T 30-40'	
28122	?	T	
28123	Anthurium	EH	Tr. wine-colored
28124	?	S or dm. T	
28125	Palu "bonbonaje"	cond. subter.; pet 5-12'; fr basal. / hand for hats, beads	
28126	Passiflora foetida var. uva	HV	Tr. deep y
28127	Euph.	T	
28128	Euph.	T	
28129	Leg. ?	T	Pet. pink w
28130	Piper	T 12-15'	
28131	Melast.	S	Pet. pink, w
28132	Tabernaemontana	S erect	
28133	Cyathia	TF	cond. slender, erect.
28134	?	T	6'; fr. 6'

Aug. 26 Dense forest (Bet. <sup>Fortaleza</sup> Portolena & Moniches)

clearing  
dense forest (Bet. Moniches & Yana-yacu)



- 28135 Rub. S  
 28136 Bignon. S or summit  
 28137 Thlasiantha HV  
 28138 Gesner. S  
 28139 Carludovica EH  
 28140 ? S  
 28141 Acalypha S or summit  
 28142 Cyclanthura Pl 4-6'  
 28143 Philodendron EH  
 28144 Leg. WV Fr. or r  
 28145 Cyclanthura Pl 4-7'  
 28146 ? S or summit  
 28147 Passiflora (Astrophea) WV See notes  
 28148 ? T  
 28149 Philodendron EH Spots pink w  
 28150 ? T  
 28151 Hep. On branches  
 28152 Philodendron EH  
 28153 Mucuna S  
 28154 Inga T 40' Pet. green w  
 28155 Tournefortia S or summit Fr. w  
 28156 Scleria H coarse  
 28157 Flacourt. T Pet. green w; fil  
 28158 Cube A "barbasco" T 60' 20 plants  
 28159 Hec. ?  
 28160 Rub. S or summit Fr. deep pink  
 28161 Acauth. H ± woody bel  
 28162 ? WV  
 28163 Solanum S 5-7' Cr. w; anther y  
 28164 Polyphodium EH  
 28165 Laur. T  
 28166 Heliconia T 20-40'  
 28167 Sapind. HV  
 28168 Centropogon S or summit Cr. fl. lobes  
 28169 Bignon. WV pale

Aug. 26 Dense forest. (Bet. Monches + Yana-yana)

(Yana-yana)

woods  
clearing  
wo

edge of clearing  
dense forest

clearing



- 28170 *Ochroma*? "balsa" T (young) 30' High  
 28171 *Arac.* E.H. Fr. r.  
 28172 *Dioscorea* HV  
 28173 *Melast.* H 1.5-2.5' Pet. w  
 28174 *Bignon.* W.V. Cor. pi.  
 28175 *Melast.* S 10-12' Pet. w  
 28176 *Cochlospermum* T 20-30' Pet. bright y  
 28177 *Ipomoea* HV Cor. w  
 28178 *Brumfelsia* S 1-2' Cor. tub. o lobes  
 28179 ? T 20-25' r. pi, lobes blin  
 28180 *Melast.* T 12-15' Pet. w  
 28181 *Piper* S 8-10'  
 28182 ? *Solan.* T slender Pet. o column  
 28183 *Piper* T 10-12' pinkish blue  
 28184 *Philodendron* T 12-15'  
 28185 *Grass* E.H. young of others  
 28186 *Marant.* H 3-4' purple  
 28187 *Apoc.* T 10-12' Cor. w  
 28188 *Myrt.* S 10-12' Pet. w.  
 28189 *Hemistelia* TF Gaudier erect 2' fr. 4-5' fr. 5-6'  
 28190 *Melast.* S 10-12' Pet. w  
 28191 *Leg.* WV Pet. pink pi  
 28192 *Heliconia* H 5' Br. yellow  
 28193 *Bourrouma* T 20-25' r. above  
 28194 ? T tall  
 28195 *Acalypha* T 12-15'  
 28196 *Anturium* Hter  
 28197 ? *Myrt.* T 15-20' Fr. rich pi  
 28198 *Rub.* S 2' Fr. bright bl  
 28199 ? T slender  
 28200 ? T 15-20' Fr. r  
 28201 *Jussiaea* S 5-6' Pet. y  
 28202 *Palathea* Hter Fr. yellow  
 28203 *Piper* S 4-5' striped with  
 28204 *Cassia* T 30-40' Pet. bright y

Aug. 26 Dense forest (Yana-yaca)

clearing

28 open woods

Gurumagnas

clearing  
open woods

dense forest



23205	? <i>Veronica</i>	T 12-15'	Fr. bright gr.
23206	<i>Melast.</i>	H 2-3'	Pet. w
23207	Grass	H	
23208	<i>Piper</i>	S 4-5'	
23209	<i>Mon. Cyp</i>	T slender 10-12'	
23210	<i>Veronica</i>	S 5-7'	Fls. deep purp
23211	Cube A 'barbasco'	T 6-10'	about 250 fls.
23212	<i>Eclipta</i>	T subsc.	burn. <i>Mardanga</i>
23213	Looks exactly like Fig. A but quite unlike it is not.	H V	Cr. green y
23214	<i>Passiflora</i>	H V	Sterile
23215	<i>Amaranthus</i> ?	H prostrate	Fr. green w
23216	<i>Cestrum</i>	S 8-15'	Cor. green w
23217	<i>Stelis</i>	H ep	Per. seg. green w
23218	Orchid	H ep	Per. seg. red. - purp.; Col. gr.
23219	Moss	On moist bank	
23220	Orchid	H ep	Per. seg. grass-gr.
23221	<i>Piper</i>	S 10-15'	
23222	<i>Scroph.</i>	S slender 3-4'	Cor. r
23223	<i>Cassia</i>	S 4-8'	Pet. y
23224	<i>Solanum</i>	H woody below 3-5'	Cor. pale bl. & w anther y
23225	<i>Clematis</i>	W.V.	
23226	<i>Weinmannia</i>	S 8-15'	
23227	<i>Duggena</i>	S 8-15' with elong. br.	Cor. pi., lobes w.
23228	<i>Mourina</i>	S 5-10' with elong. br.	Pet. deep bl.
23229	<i>Cestrum</i>	S 8-12'	Cor. y.ish gr.
23230	<i>Baccharis</i>	S erect ± 7'	Fls. green w
23231	<i>Smilax</i>	W.V.	
23232	Leaf rust		
23233	<i>Osteomeles</i>	S 4-6'	Fr. only
23234	<i>Gaiodendron</i>	T 8-10'	Fls. bright y
23235	Orchid	H ter. pseudo-bulb ± 2" wide	3 seg y, pet. tinged 2 seg. only deep purp Col. green w.
23236	<i>Passiflora mollissima</i>	W.V.	Tube gr. out, cream-w. in; sep. pi. in; pet. pi.
23237	<i>Calceolaria "squarrosa"</i>	H woody bel. to 3.5'	Cor. bright y
23238	<i>Rubus</i>	S elong. br. to 7'	Pet. deep pi.
23239	<i>Polypodium</i>	H caudex thick erect	

Aug 28 dense forest clearing Yunguina

dense forest  
Uncle's

*Persea Yunguina* clearing (soil neutral, #7)

woods

waste places

May 17 thickets 1000m. (Carrapa - Carrapa)

woods

Open hillsides

Edge of woods 1200m.

1500m. (Carrapa - Carrapa)

May 18 Thickets ± 3200m. (Pampalca - Pargora)



- 23240 *Selaginella* H  
 23241 *Passiflora lobbii* HV See notes  
 23242 ~~Rubiac.~~ *Asclep.* HV Cor. greenish, pi. - tinged at apex  
 23243 *Polytrichum* On bank  
 23244 Lichen On tree Pl. ash w  
 23245 Lichen On tree " yellowish  
 23246 *Gentiana* H Cor. tube greenish-y  
 23247 Lichen On bank lobes w, head stopped on one side out Open bank  
 23248 *Geranium* H branches lax Pet. wh.  
 23249 *Cheilanthes* H  
 23250 *Baccharis* S erect. br. to 2' Pappus wh  
 23251 *Dryopteris paleacea* H  
 23252 *Ranunculus* H Sep. bright y  
 23253 *Muhlenbeckia* H woody below forming open mats. Sep. gr. - w (common)  
 23254 *Sphacel* S 5-8' Cor. wh., pi. - tinged  
 23255 *Comp.* S 6-10' D. wh. y  
 23256 *Plantago* H low flat y ground Cor. greenish  
 23257 *Osteomeles* T 10-15' Fr. gr.  
 23258 *Lomaria* H caud. ± 6" high  
 23259 *Fungus* On bank Pl. wh.  
 23260 Lichen On bank  
 23261 *Diarrhena* H Per. y  
 23262 *Alchemilla* H ref. ± woody Pet. greenish w  
 23263 Lichen On bank  
 23264 *Bartonia* H Cor. bright y  
 23265  *Gnaphalium* H low flat on ground D. wh. greenish w.  
 23266 *Hypericum* H Pet. y  
 23267 *Elephantopus* H ter  
 23268 *Permethia* S ± 4' Calyx tube pink, cor. tube wh., lobes pi. fr. pi.  
 23269 *Borag. Scroph.?* H slender branches D. wh. withered  
 23270 Lichen On bank  
 23271 *Dryopteris* H  
 23272 *Eupatorium* S 6-8' slender br. Cor. tube pi, lobes pale pi; styl. w  
 23273 *Valeriana* HV Bractlets w, pap. wh  
 23274 *Calceolaria "parva"* H Cor. y

May 18 ~~Shade of rock~~ ~~Thickets~~ 3200-3500' (Pamfalea - Pargora)  
 Thickets

Open bank  
 Thickets

Thickets

Open hillside

(common)  
 Thickets

Open hillside  
 Thickets

Open hillside

Thickets  
 Open hillside

Thickets

Ditch



23275	Mimulus	H	Cor. y
23276	Cardamine	H	Pet. w
23277	Moss	In ditch	
23278	Lichen	In ditch	
23279	Gaultheria	H <sup>rep.</sup> ± woody	Cor. light pi. s. pr. deep pi.
23280	Calceolaria "lanata"	H	Cor. light y
23281	Jussia	H	Capsule gr.
23282	Peperomia	H ter succ.	Stems o. infl. redish
23283	Elaphoglossum	H ter	
23284	Polytrichum	On bank	
23285	Limnanthes	H	Cor. light y
23286	Bartsia	H	Cor. pi.
23287	Disynanthium	H	Per. y
23288	Echeandria	H	Per. wh., gr. <sup>stipul</sup> out
23289	Hypselia	H forming mats	
23290	Colobanthus	H " "	Calypso gr.
23291	Plantago	H	Cor. wh.
23292	Caryophyll.	H	Infl. pink
23293	Galium	H	Fr. w
23294	Verbena	H <sup>woody</sup> hel. 3'	Cor. deep bl. <sup>helen</sup> at throat
23295	Polypodium	H ter	
23296	Lichen	On bank.	
23297	Calceolaria	H	Cor. y
23298	Calceolaria "virgata"	S ± 4'	Cor. bright y
23299	Senecio	H <sup>woody</sup> hel. 1' 8	4-6' Cor. <sup>dark</sup> brown, lobes y, style y, pap. wh
23300	Calceolaria	H <sup>woody</sup> hel. 1'	Cor. bright y
23301	Afzelia	S slender ± 3'	Cor. <sup>sup. lip</sup> pinkish-r low " y
23302	Aca	H ter	Per. wh
23303	Cichoria	H ± 6"	Cor. tube wh, lobes bright bl; anther purp
23304	Isopappus	S to 3'	Rare; florets greenish
23305	Grass	H	
23306	Elaphoglossum	H ter	
23307	Moss	On bank	
23308	"	" "	
23309	"	" "	

May 18 Ditch 3200-3500m (Pampalca-Pargora)

Open hillside

Shaded bank

Open hillside

Puna

Thickets

Shaded bank

May 19 Open hillside

± 4200 m. (Maptaro Drainage)  
Pargora - Mac. Cuyucacha  
40







- 23345 *Pasiiflora*  
 23346 *Solanum*  
 23347 *Calceolaria*  
 23348 *Mammillaria*  
 23349 *Berberis*  
 23350 *Wrenneria*  
 23351 *Gentiana*  
 23352 *Lupinus*  
 23353 *Veronica*  
 23354 *Erigeron*  
 23355 *Altemiauthera*  
 23356 *Satureia*  
 23357 *Sorolia*  
 23358 *Echidandra*  
 23359 *Swardia*  
 23360 *Solanum*  
 23361 *Lupinus*  
 23362 *Cheilanthes*  
 23363 *Polystichum*  
 23364 *Polypodium*  
 23365 *Cheilanthes*  
 23366 *Polystichum*  
 23367 *Seigesbeckia*  
 23368 *Polystichum*  
 23369 *cich.*  
 23370 *Astragalus "garbancillo"*  
 23371 *Geranium*  
 23372 *Cordia tarameensis* Kr.  
 23373 *Calceolaria*  
 23374 *Martynia*  
 23375 *Cassia*  
 23376 *Piper*  
 23377 *Piper*  
 23378 *malhigh.*  
 23379 *Lycopodium*

- woody  
 H. V. at base  
 H. coarse I pet. bl., ant y.  
 H. woody below with straight cor. y.  
 S. erect stem, 15' pet. deep bl.  
 S. 3-6' compact at summit  
 S. 16' with pet. deep y.; fr.  
 S. elong. bran. bluish  
 H. rays br. y.; pap. gnish;  
 cor. tube & lobes deep y.  
 H. cor. tube yish, lobes br. y.  
 striped at one side, ant.  
 H. stain. w. bl. on midvein &  
 at base out: unripe &  
 cor. bl., darker striped  
 H. base rays w.; pap. gnish; cor.  
 H. tube gnish, lobes y.  
 H. cor. bl. blotched with  
 S. 3-5' deep pur.  
 cor. pale p., yish in;  
 S. 5-8' fil. y. & unripe br. bl.;  
 H. keel purish, r.  
 per. w. g. striped.  
 H. woody at base, cor. deep pur. lower  
 H. 3-4' lip gr. dent. fil. & sty. ant. & sty. y.  
 H. 4-5' cor. bl., ant. y.  
 S. 2-2.5' stain. pur. pale p. prox. sty. y. at center in;  
 H. keel deep pur. dent.  
 H.  
 H.  
 H.  
 H.  
 H.  
 H. 1-2' cor. y.  
 H.  
 H.  
 H.  
 H. 2' cor. & sty. br. y.  
 H. stain. & unripe p., deeper  
 H. striped; keel gnish  
 H. pet. w. yish. gr. prox.  
 p. striped dent. in.  
 S. 4-5' cor. br. y.  
 H. 2-3' cor. pale bl., sty. & fil. w.  
 H. pet. light S.  
 H. 1-2'  
 S. 8-12'  
 S. 7-10'  
 S. 6-10' br. p.  
 H. V. turning  
 H. V. among shrubs

May 23 thickets + 2600 m. La Uijorada near  
 25 thickets + 3600 m. Acopalca Valley, Huancayo

open places

keel pale bl.

moist places

open places

open hillside

thickets

open hillside

rocky hillside

27 puna bet. Janya & Tamea

4500 m.

thickets  
 28 bet. Tamea & Huacapistana Palca

2600 m.

OW

O.H.

Marangal, near La Merced

800 m.

29 thickets

La Merced



- 23380 fab. S. with elong. brs. stan + unsp. w. bl. - triq.; keel bl., w. prox. May 24 thickets La Merced
- 23381 amarant. S. 4-5'
- 23382 Passiflora H. U.
- 23383 Miconia S. 4-7' all pet. light bl., paler prox.
- 23384 Eupatorium S. 8-12' cor. tube girth. w., lobes + sty. w. to pale bl. pap. - girth. cor. cream w.
- 23385 solan. S. with elong. S. drop. brs. 10-20' pet. w.
- 23386 Phlox S. 8-15'
- 23387 apoc. H. U. cor. tube y.g., lobes y., paler prox.
- 23388 Guanochet H. U. cor. br. r. y.ish within tube; fil. + ant. y.ish.
- 23389 Pityrogramma H.
- 23390 Sponoxia H. U. cor. pure w.
- 23391 gesner. H. 2-4' cor. br. or. out; y. in, pur. spotted dist.; fil. + sty. y.
- 23392 Eupatorium S. 6-10' pap. + cor. tube girth. lobes pale bl.
- 23393 gesner. H. moist banks cor. pale pur. to blue.
- 23394 Sponoxia H. U. cor. deep bl. dist., w. prox.
- 23395 Camptulidius H. U. cor. tube girth., lobes w.
- 23396 Solanum Rut. S. 8-12' cor. pale bl.; ant. y.
- 23397 acanth. H. 3-5' cor. tube w. to pale pur. bl. lobes deep bl.
- 23398 fab. H. U. all pet. girth. y. when young; prob. becoming bl.
- 23399 Indigofera S. 2-6'
- 23400 Passiflora H. U. br. p. deeper striped along ridges
- 23401 Baccharis S. 6-10' with S. elong. brs. cor. + lobes girth.
- 23402 Vernonia S. 5-10' with S. elong. brs. pap. + fls. girth.
- 23403 borrag. T. 10-15' cor. w.
- 23404 lab. H. 3-5' cor. bl., paler prox.
- 23405 Acalypha T. 10-18'
- 23406 Cassia? T. 10-20'
- 23407 Struthanthus T. 10-18' cor. y.g. fr. deep brown or deep pur.
- 23408 fab. Polygale S. 3-6' all pet. w. to pale bl.
- 23409 Sponoxia H. U. cor. w. prox. deep bl. dist.
- 23410 apoc. H. U. young cor. p.
- 23411 Saucheria H. 12-18' bracts r.; cor. sty. + fil. y.
- 23412 Inga T. 10-18' cor. + fil. w.; ant. brown
- 23413 fab. S. 8-12' stan. + unsp. w. bl. - triq. keel bl.
- 23414 euph. H. 2-4' brs. elong. pet. w.

up. gr. ant. w. in; pet. w.; corolla. pur. prox. w. dist. y. u. stam. g., sty. + stig. girth. w.



- 23415 *Camnelina*  
 23416 *Commel.*  
 23417 *Phyllanthus*  
 23418 *Aristolochia*  
 23419 *Ipomoea*  
 23420 *fab.*  
 23421 *Piper*  
 23422 ?  
 23423 *cucur.*  
 23424 *Solanum*  
 23425 *Agave*  
 23426 *Stemmatanthus*  
 23427 *fab. Heracium*  
 23428 *myrt. Psidium*  
 23429 *Paspalum*  
 23430 *Cardia*  
 23431 *Polygla*  
 23432 *Passiflora*  
 23433 ?  
 23434 *Passiflora minimifolia*  
 23435 *Pteris*  
 23436 *euph.*  
 23437 *Piper*  
 23438 *Panicum*  
 23439 *Lygodium*  
 23440 *Jatropha*  
 23441 *Acalypha*  
 23442 *Phenax*  
 23443 *Cissampelos*  
 23444 *comp.*  
 23445 *Adiantum*  
 23446 *Oreocarya*  
 23447 *myrs.*  
 23448 *Adiantum*  
 23449 *acanth.*

- H 2-4' pet pale bl.  
 H 3-4' pet purpl. bl.  
 T 12-20' pet. w.; br. gr.  
 H 10' cor. pur, sharply  
 H 3-6' veined with gr.  
 H 3-6' pet. deep r.; bla. y.  
 H 10' pet. y.; ting. with  
 T 10-12' pur. dist.  
 T 10-15' pet. & ant. greenish;  
 glands y.  
 H 10' br. gr. paler mottled.  
 H 2-4' cor. w.; ant. y.  
 H 10' lvs. up to 6' l., spikes  
 up to 15' high.  
 Par S 10-15' cor. deep bl. paler prox;  
 pap. w.  
 H 15-20' pet. & fil. w.  
 T 10' with elong.  
 H 10' lvs. up to 8'.  
 S 10-15' fr. becoming r.  
 H 4' pet. w., becoming bl.  
 H 10' lvs. greenish.  
 S 8-12' fr. r.  
 S 10' br. gr.  
 H 3-5'  
 H 2-4'  
 S 8-12'  
 H 10' with elong.  
 H 10' lvs. to 6'  
 H 10'  
 S 5-8' cor. w., greenish prox.  
 T 12-20'  
 T 12-20'  
 H 10'  
 H 3-4' sep. & cor. tube greenish,  
 lobes y.  
 H  
 H  
 H lvs. up to 12', with growing  
 H 3-5' direct from roots, 1-2'  
 H 2-4' T woody cor. deep bl.,  
 below. paler prox.

May 29 thickets

La Merced

pet. cream w., faintly green in center;  
 fil. g. prox, w. dist.; ant. y.; ovary greenish; sty. & stig. w. Pl 5-13-9

wooded valley

bracts o.r.;  
 cor. y.



- 23150 ?  
 23151 *Panicum*  
 23152 ?  
 23153 comp.  
 23154 fab. *acanth*  
 23155 fab.  
 23156 *Erythrina*  
 23157 *acanth*  
 23158 *Eupatorium*  
 23159 fab.  
 23160 ?  
 23161 *Piper*  
 23162 ? *acanth*  
 23163 ? *Ficus*  
 23164 ? *Moss*  
 23165 comp.  
 23166 comp.  
 23167 *Solanum*  
 23168 *Piper*  
 23169 *Miconia*  
 23170 *Gouania* *Vernonia*?  
 23171 *Psychotria*  
 23172 *malv.*  
 23173 *Pteris*  
 23174 *Passiflora*  
 23175 *Myriocarpa*  
 23176 *Lycopodium*  
 23177 *acanth*,  
 23178 *Adiantum*  
 23179 *mass*  
 23180 *mass*  
 23181 *Tectaria martinicensis*  
 23182 ?  
 23183 ?  
 23184 *slau Dupa*

- S. 4-8' pet + sta. w.  
 H. with bran.  
 H. elong to 6'  
 H. 2-5'  
 S. 4-7' rays br. y.; cor. tube  
 + lobes y.  
 S. 3-8' with star + undig. grass w.  
 S. elong. bran. seed w. marked with pur. within prox.  
 H. U. all pet. bl., paler prox.  
 U. U. all pet. bright o.;  
 sta. tube w. ant. y.  
 E. S. cal. + fil. br. y.;  
 ant. brown.  
 S. 6-10' cor. tube + pap. grass w.;  
 lobes w.  
 S. 4-8' all pet. cream w.  
 H. U.  
 S. 10-15'  
 S. 4-8' cor. w. lower lip faintly  
 marked with pur.  
 T. 10-20' fr. y. to o., with darker  
 spots  
 T. 15-18' ant. w.  
 S. 6-10' rays br. y. cor. tube pale  
 y. lobes deeper.  
 S. 3-5'  
 S. 10-18' with  
 S. elong. bran.  
 S. 8-12'  
 T. 15-20' fr. r. becoming pur.  
 pet. w.  
 S. 8-15' with  
 S. elong. bran. cor. tube br. y., lobes  
 p. ting. sta. + sty. y.  
 S. 8-15' pet. + sta. br. y.  
 S. 3-6'  
 H.  
 H. U.  
 T. 10-20'  
 H.  
 S. 10-12' br. y-g. cor. p.  
 H.  
 on soil  
 on soil  
 H.  
 S. 8-15' lvs. green.  
 S. 8-15' with fr. becoming r.  
 S. elong. bran.  
 S. 8-12' with  
 S. elong. bran.

May 29 wooded valley

La Merced



- 23485 Inga  
 23486 Elephantopus  
 23487 Acautha  
 23488 Piper  
 23489 Cyperus  
 23490 *Cardiophenur*  
 23491 comp.  
 23492 Carcole.  
 23493 Jussiaea  
 23494 comp.  
 23495 Pityrogramma  
 23496 Trismenia  
 23497 Tonnelfontes  
 23498 Gohania  
 23499 Inga  
 23500 ? *Nubaria?*  
 23501 ? *Cissus*  
 23502 Bonania  
 23503 ? *sapind?*  
 23504 Lab.  
 23505 Miconia  
 23506 Treacanthia  
 23507 ? *Stenanthus*  
 23508 Crotalaria  
 23509 Lycopodium  
 23510 sapot.  
 23511 Halleuana  
 23512 Inga  
 23513 Cyperus  
 23514 *Seniophlellum*  
 23515 Tonnelfontes  
 23516 Bradburya  
 23517 Passiflora  
 23518 Bixa "bija"  
 23519 glaucer

- T 20-30' cor. & sta. w.  
 H.  
 H. cor. pale bl.  
 T 10-15'  
 I. in sandy soil  
 H. of stream bed  
 U. U. ends gravel.  
 H. cor. w.  
 H. U. cor. pale bl.  
 H. 1-3' pet. ant. & atq. g.  
 S. 4-8' pap. w.  
 H. in sandy soil  
 H. of stream bed  
 H. with elong. leav. fr. w.  
 S. 4-12'  
 S. 8-12' with elong. leav.  
 T 12-20' cor. & sta. w.  
 H. U.  
 S. with elong. leav. fr. g. with brown spots  
 S. 8-15' fr. deep pur.  
 H. U.  
 S. 10-15'  
 W. U.  
 T 10-15'  
 T 12-20' cor. ant. g. dist. p. pro. in. g. m. h.  
 S. 8-15' with elong. leav. fr. brown. fil. g. m. h.; dist. g. & w.; sty. l. g.  
 H. 2-4' I woody pet. y.  
 at base  
 H.  
 T 15-25'  
 H.  
 T 15-30' per. seq. w.  
 cor. g. m. h.; fil. w.  
 I. in sandy soil  
 H. of stream bed  
 H.  
 S. 8-15' cor. cream w.  
 H. U. stan. w.; keel & wings  
 light pur. pale pro.  
 H. U. ends gravel. w.  
 S. 8-12' pet. p.; fil. g. pro. p. dist.  
 cor. br. r. paler in.  
 ant. w.  
 H. U.

May 29 wooded valley

La Merced



- 23520 *Miconia*  
 23521 *acanth.*  
 23522 *grass.*  
 23523 *acanth.?*  
 23524 *Piper*  
 23525 ?  
 23526 *Miconia*  
 23527 *comp.?*  
 23528 *Phenax*  
 23529 *fab.*  
 23530 ?  
 23531 *fab.*  
 23532 *Calliandra*  
 23533 *Acalypha*  
 23534 *Ficus?*  
 23535 *Tectaria*  
 23536 *moss*  
 23537 "  
 23538 *lichen*  
 23539 *moss*  
 23540 *Asplenium*  
 23541 *Conoclinium?* rub.  
 23542 *Asplenium*  
 23543 *Selaginella*  
 23544 *germ.*  
 23545 *fungus*  
 23546 *Eupatorium*  
 23547 *Tournefortia*  
 23548 *cucurb.*  
 23549 *fab.*  
 23550 ?  
 23551 *fab.*  
 23552 *Asplenium*  
 23553 *Asplenium*  
 23554 ?

- T. 8-15' fr. bl.  
 cor. br. r.  
 H  
 H  
 cor. w. to faint bl.  
 S 8-15'  
 S 8-12' bil. p. paler prox.  
 T. 12-18' fr. pur.  
 S 4-8'  
 S 10-15' pet. + sta. w.  
 H. U.  
 T. 18-25' pet. w.; disc. y.  
 W. U.  
 S 4-10'  
 T. 15-25'  
 T. 40-60' fr. gr.  
 H  
 on fallen tree  
 " " "  
 on tree  
 on fallen tree  
 H  
 S 8-15' with cor. tube p., lobes  
 S. long hairs. becoming w. fr. pur. to r.  
 H  
 H prostrata  
 H cor. o. r. with darker  
 spots in.  
 on tree trunk  
 H 2-4' cor. tube greenish w.;  
 lobes & sty. w.  
 S 4-6' cor. greenish w.; fr. w.  
 H. U. cor. greenish w.;  
 ant. y.  
 H. U. all pet. greenish w.  
 S 8-15'  
 S with long hairs.  
 S 8-12'  
 H  
 H 3-5' fr. h. o.  
 H

May 29 wooded valley

La Merced



- 23555 *Sida* male?  
 23556 *Epiphyllum*  
 23557 *Lab?* *Salvia*  
 23558 *Xiphidium*  
 23559 *Baulinia*  
 23560 *fab?*  
 23561 *Solanum*  
 23562 *Gossypium*  
 23563 *Dioclea*  
 23564 male.  
 23565 *Canna*  
 23566 *Adiantum*  
 23567 *Zibouckia*  
 23568 *Rhus*  
 23569 *Burmeistera*  
 23570 *Eupatorium*  
 23571 *Solanum*  
 23572 *Zibouckia*  
 23573 *Eupatorium*  
 23574 *Hamelia*  
 23575 *Cissis trifoliata*  
 23576 *Tournefortia setacea*  
 23577 *Ageratum*  
 23578 *Euphorbia*  
 23579 *Couep*  
 23580 *Equisetum giganteum*  
 23581 *Parrotia*  
 23582 *Pavonia*  
 23583 *Phyllanthus*  
 23584 *Tragia*  
 23585 *Scutellaria purpurascens*  
 23586 *Boehmeria*  
 23587 *Acalypha alopocurculis*  
 23588 *Archid*  
 23589 *Archid*

- S 3-6' pet. y.  
 E.H.  
 H cor. bl., paleo. prox.  
 H 2-4' fr. becoming black.  
 S 8-15' with elong. bran.  
 H I woody below.  
 H 2-3.5' 3-6' sept. gray. w.; ant. y.  
 S 10-12' pet. y. becoming r.  
 S 10-15' pet. rich p.  
 S 4-8' pet. & andro. w.; ant. gray. w.  
 H 3-10' ~~pet. sep. r.~~ tang. with y. prox.  
 H woody bel.  
 H 6-8' Pet. w.; anther. y.  
 S 5-8' Scales brown  
 S elong. br. Cor. or. reddish prox.  
 H erect Cor. tube grayish w.  
 H 1.5-3' lobes wh. sty. pi  
 H 3-5' Cor. w., anther. y.  
 H lax, 1-3' Pet. rich pi., fil. light pi  
 H high Cor. tube grayish w.  
 H lobes w., sty. light pi  
 S 3-5' Cor. or. r. becoming r.  
 HV Pr. gr.  
 S 6' to 7' l. Cor. cream-w  
 H 1-2' Cor. tube grayish w.  
 H 1-2' lobes & sty. pi, base w.  
 H lax br. Fr. gr.  
 H 2' Flowers gr.; anther. br.  
 H coarse  
 H 3-12'  
 HV Pet. pale y  
 H 1-1.5' H woody bel. Pet. light pi. to w  
 H slender Pet. w  
 H Pet. grayish-w  
 H me. Cor. deep pi.  
 H 1-1.5' Infl. grayish  
 S 5-8' Infl. gr.  
 H Per. gray-gr.  
 H 5 sep. light pi.  
 H sep. light deeper pi.  
 H Cor. pi. or fls. deep pi (2 from)

May 29 wooded valley

La Merced

thicket

30 shaded bank

thickets

Rio Pinedo, near La Merced

Swamp

thickets

On rock in woods



- 23590 Orchid H Per. y-g  
 23591 Orchid H Per. red deep by  
 23592 Gymnogramma H Per. pale within perianth  
 23593 Pilea lycopodioides H  
 23594 Polypodium H 2-2.5' Rays of florets y  
 23595 Spermacoce this no. 23596 H with deep purple  
 23596 Crap. H Cor. light bl. to wh.  
 23597 Weinmannia "contravenosa" T 20-25' Buds only  
 23598 Cucurbit H V Cor. y  
 23599 Mirabilis "buenas tardes" H Powdery substance in seeds  
 23600 Chamaecypar H Pr. gr.  
 23601 Crotalaria "japimacho" H applied with salt to  
 23602 Elvira? H abscesses or swellings  
 23603 Elythria H Cor. light pi.  
 23604 Anthurium H ter Spathe & pedicel  
 23605 Selaginella H ter  
 23606 Moss On bank  
 23607 Adiantum H  
 23608 Polypodium H rep. on  
 23609 Moss On rocks  
 23610 Dioscorea H V Pr. green, pendent  
 23611 Mimosa T 12-20' Pr. only  
 23612 Stenochlaena H ter  
 23613 Peperomia H on rocks  
 23614 Peperomia H trailing  
 23615 Marchantia H on bank  
 23616 Peperomia H on tree  
 23617 Piper "anis" or "anisillo" S 2-3' Sapples or.  
 23618 Miconia S or low t  
 23619 Peperomia H rep. on  
 23620 Peperomia H ter trunk  
 23621 Diplazium "integrifolium" H ter  
 23622 ? S with elong. Pedicels or.  
 23623 Pteris H Pr. purplish - black  
 23624 Dryopteris H

May 30 On rock in woods Rio Prieto, near La Merced

woods

counteracting effect. Clearing

was put in alcohol or aguardiente and drunk  
for snake bites

used as soap

for removing warts

was chewed for toothache  
wooded valley

woods

dense forest



- 23625 Palu  
 23626 Araceae H climbing up trees  
 23627 Hep. On branches  
 23628 Moss On bank  
 23629 Moss " "  
 23630 Commelinace H 1-2' suc.  
 23631 Ruellia H  
 23632 Dryopteris H  
 23633 Dianthus H 2-2.5'  
 23634 Phytolacca "jatrocinillo" H coarse 2 2-4'  
 23635 Orchid EH  
 23636 Orchid EH  
 23637 Vanilla HV  
 23638 Hep. On tree  
 23639 Aroid H climbing on tree  
 23640 Cyathea TF Trunk 6' Dr. 7' Stipe  $\pm 2'$   
 23641 Lasiacis HV  
 23642 Zingiber "ginebre" H  $\pm 2'$   
 23643 Zossypium S 8-12'  
 23644 Annona "anon" T 20-30'  
 23645 Treca toxicaria "barbasco" S 4-7'  
 23646 Eschatogranma H on trees  
 23647 Polypodium H on trees  
 23648 Olacaceae T 20-25' with rounded crown  
 23649 Bambusa HV  
 23650 Orchid EH  
 23651 Orchid EH  
 23652 Orchid EH  
 23653 Peperomia H ref. on trees  
 23654 Orchid EH  
 23655 Polypodium lanceolatum H ref. on trees  
 23656 Paspalum S 17 small T  
 23657 Marantac. H 1-1.5' suff. at base  
 23658 Paspalum S 6-9' Per. bright r  
 23659 ? "alcunfor" T 60-80' Bark only

Stem. infl. y

Pr. or. r.

Per. w  
Dr. black  
cr. pi, paler  
pung

Cor. r.

Pedicels pi; rips  
gr. ~~gr.~~ deep purpPer. deep pi, paler purp  
Ker. seg. greenish-wh.  
pub. fused.

No fls.

No infl.

Stipe  $\pm 2'$ 

No fls.

Pet. salmon - y

St. gr. out, pinkish w in  
W. pi., bl. base; leaf gr. w

Pr. deep gr.

No infl.

Pr. gr.

Per. gr.

3 seg. salmon pi, striped deep red; 2 seg. + lip slightly paler, dotted with redish purp

Pls. wetted

Pr. or. r.

Per. bright r  
seed blue

Pr. deep pi; pr. deep blue

Bark only

May 30 Dense woods Rio Pinedo, near La Merced

Infl. ~~r~~ used as soap; bark punched at sent StancesEdge of woods  
(cort.?) Clearing

dense woods



- 23660 *Oryopteris*  
 23661 *Rep.*  
 23662 *Boehmeria*  
 23663 *Heliconia*  
 23664 ?  
 23665 *Pfafria*  
 23666 *Cordia*  
 23667 *Metastelma*  
 23668 *Begonia*  
 23669 *Calathea*  
 23670 *Rondeletia*  
 23671 *Richardia*  
 23672 *Coccoloba* Sapot?  
 23673 *Cestrum*  
 23674 *Peperomia*  
 23675 *Blechnum*  
 23676 *Rub?* Acanth.?  
 23677 *Sapotaceae?* *Hypoxanthus?*  
 23678 *Polygala paniculata*  
 23679 *Begonia*  
 23680 *Oryopteris*  
 23681 *cupl?*  
 23682 *asclep.*  
 23683 *Concif.*  
 23684 *Heteropteris*  
 23685 *Cyperus*  
 23686 *Pteris*  
 23687 *Miconia*  
 23688 *caup.*  
 23689 *Jussiaea*  
 23690 *caup.*  
 23691 *Piper*  
 23692 *fab.*  
 23693 *Pteris*  
 23694 ?

- H  
 On <sup>23631</sup> *Savonds* of  
 S slender branches  
 H stem  $\pm 1'$  Bracts bright r  
 Per. deep gr., wh. apex  
 H <sup>Plumbeus</sup> on <sup>trunks</sup> *with elong.* Infl. white  
 H br. Infl. greenish-wh.  
 S 6-10', elong. br. Fr. light gr  
 Cor. deep gr. out  
 pale gr. in; Corona wh.  
 H V Pet. wh.  
 H slender Per. tinged with pinkish  
 H T 12-20' Pr. only  
 H usually *Cor. wh.*  
 H scandent *Cor. wh.*  
 T 10-15' *has borne at summit*  
 (resembling *Ailanthus*)  
 T  $\pm 12'$  *infl. at summit*  
 Trunk simple,  $\pm 2'$  diam. Buds green wh.  
 H *2' suc.* *For. reddish wh. ben.*  
 sterile  
 H  
 S on herb?  
 S  $\pm 2.5'$  Cor. bright r.  
 S? elong. br. Buds gr.  
 H Pet. pinkish blue  
 H *2' suc.* Pet. w, anther y  
 H  
 H U. cor. cream w.  
 H in sandy soil pet. w.; anther y.  
 H of stream bed.  
 H 2-4'  
 H sandy soil of  
 H str. bed.  
 H 3-5'  
 H 1-3' *fr. deep pur.*  
 H 2-4'  
 H 1-3' *corolla greenish;*  
 lobes pale bl.  
 S 3-5' pet. gray.  
 S 5-10'  
 S 6-10'  
 H U. pet. cream w; p. ting.  
 H *stipes 5-7'* *fr. (incl. stipes) 8-12'*  
 drooping *from a crown (c)*  
 W.U. pet. cream w.

May 30 Dense forest Rio Pinedo, near La Merced

woods

Near La Merced

shaded bank  
 the woods

shaded bank

May 31

wooded valley

La Merced



- 23695 *Tournefortia* S. 4-8' cor. cream w.  
 23696 cucurb. H. U. cor. yish. y.  
 23697 alga in stagnant water  
 23698 *Piper* S. 3-5' stipe 2', fr. 4'  
 23699 *Alchornea* H. 3-5' cor. tube pale y, lobes  
 23700 comp. H. 3-6' cor. tube green, lobes y  
 23701 comp. U. V. or S. with fr. becoming r.  
 23702 ? U. V. elong. bran.  
 23703 ? H.  
 23704 *Habenaria* H. per. seg. w.  
 23705 *Piper* S. 8-12'  
 23706 ? H. 1-3' cor. & sty. w.  
 23707 *Myrsine* H.  
 23708 quail H. 6-10' sp. bracts r. pro. g. d. w.  
 23709 quail H. terminal ovary w. sep. 5'  
 23710 rub. *Beblenia* H. infl. central, erect, sep. 4-6'  
 23711 ? *Ficus* H. 6-10' stem fr. o.  
 23712 urt. H. 30-40' fr. gr, striped with  
 23713 *Begonia* S. 8-12' per.  
 23714 ? H. succ. pet. w.  
 23715 moss H. U. cor. br. o. r.  
 23716 moss on decayed log  
 23717 *Lycopodium* H.  
 23718 ? H. sp. appressed  
 23719 *Asplenium* E. H.  
 23720 *Solanum* H. 3-6' fl. buds green. y;  
 23721 ? H. 3-5' fr. br. o.  
 23722 *Plagiolobus* H.  
 23723 *Lisecora* U. V. dependant from fr. black  
 23724 *Peperomia* E. H. succ. trees spikes 1-2' l.  
 23725 *Peperomia* H. terr. succ.  
 23726 *Piper* S. 3-5'  
 23727 Rub. S. 6-10' fr. u.  
 23728 *Lycopodium* H.  
 23729 *Solanum* H. 4-8' cor. pale bl.; anty

May 31 wooded valley

La Merced

fl. tube cream w.; 3 outer per. seg. dull pur.  
 3 inner seg. yish. w.  
 cor. o.; sty. 4-6' yish.



- 23730 *Peperomia* H terr. succ.  
 23731 *Piper* S. 6-8'  
 23732 *Panicum* H bran. elong.  
 23733 *Commelina* H 2-4' pet. w.  
 23734 *Anthurium* H Terr. spathe g.  
 23735 *Eupatorium* S. 5-8' young cor. greenish w.  
 23736 *Piper* S. 8-10'  
 23737 *Piper* T. 20-30'  
 23738 *Piper* S. 8-12'  
 23739 orchid H ep. 5 sep. g. r. spotted.  
 23740 prot. S. 8-12' column & fringe w. cor. & fl. y. ant. brown. r. spotted chest.  
 23741 malpigh. S. 8-12' fr. gr.  
 23742 *Acalypha* S. 8-12'  
 23743 *Acalypha* S. 5-10' sty. r.  
 23744 *Acalypha* S. 7-12' sty. r.  
 23745 int? S. 3-8'  
 23746 moss on smooth stone  
 23747 moss on decayed log.  
 23748 orchid E. H. all per. sp. w. p. ting. lvs. r. spotted.  
 23749 orchid E. H. column gr. all per. sep. y.  
 23750 *Acalypha?* S. 8-10' cor. cream w.  
 23751 *Asclep.* H. U.  
 23752 ? S. little elong. bran. 8-15' fr. black.  
 23753 *Solanum* S. 3-6' slender sep. & cor. tube greenish w. lobes & sty. pale bl.  
 23754 *Eupatorium* T. 10-12'  
 23755 *Lycopersicon* H 3-8' flower pet. cor. l. r.  
 23756 bran. H sp. up to 6' fl. fr. p.  
 23757 malpigh. S. 8-15'  
 23758 fab. S. 4-8' all pet. l. r.  
 23759 acanth. H 2-4' 7 woody cor. l. r.  
 23760 *Blechnum* H  
 23761 *Begonia* H pet. p. & w.; ant. y.  
 23762 *Centropogon* W. U. cor. tube o. r.; lobes y.  
 23763 acanth. *Centropogon* H cor. l. r.  
 23764 *Solanum* S. 4-6'

May 31 wooded valley

La Merced.

thickets



- 23765 Solanum  
 23766 fol.  
 23767 Solanum  
 23768 ? Phyllanthus  
 23769 comp.  
 23770 moss  
 23771 Polytichum  
 23772 sax?  
 23773 clus.  
 23774 Banaradesia  
 23775 ?  
 23776 ?  
 23777 fungus  
 23778 ?  
 23779 fol.  
 23780 sedge  
 23781 Polypodium  
 23782 moss  
 23783 solan. ?  
 23784 Piper  
 23785 Psychotria  
 23786 acanth.  
 23787 Jussiaea  
 23788 grass.  
 23789 Tibouchina  
 23790 acaulant.  
 23791 yucca?  
 23792 Asplenium  
 23793 Mikania  
 23794 Castilleja  
 23795 Paspalum  
 23796 Polypodium plurisetum  
 23797 Adiantum  
 23798 rupestr.  
 23799 ?

- S 6-10' fr. o.  
 H 0 all pet. w.  
 S 4-8' pet. w.; ant. y.  
 H fr. gr.  
 W. U. sap br. y.; cor. tube  
 pale y. lobes deeper.  
 on moist soil  
 T 15-20' pet. & fil. w.  
 T 12-18' buds gnats.  
 S 5-9' cor. red p.  
 S 10-18' p. deep pur.  
 T 15-25' buds gnats y.  
 on tree trunk bright o.  
 S 8-12'  
 H 0 pet. w.  
 H  
 H terr  
 forming mats on rock  
 T 20-30' cor. g. ting. with deep r.  
 dict. fil. g.; ant. brown  
 S 8-12'  
 S 8-15' cor. y., p. prox.  
 H 3-4' cor. p. to o.  
 H 2-4' woody pet. y.  
 H below  
 H 3-5' sty. gnats. w.  
 S 2-4' pet. u.; ant. y.  
 W. U.  
 S 8-12' cor. w. out, r. in; fil. w.  
 ant. y.  
 H  
 V. cor. tube gnats w.  
 lobes & sty. pale st.  
 br. tipped with r.  
 H 2-4'  
 H  
 H  
 S 2-3' pet. w.  
 W. U. cor. & fil. w.;  
 ant. pur.

May 31 thickets

La Merced

wooded valley

sty. & sty. g.  
thickets

wooded valley

thickets



- 23800 Lab.  
 23801 *Pityrogramma*  
 23802 *Sellaginella*  
 23803 sedge  
 23804 *Licanopteris*  
 23805 *Cassia*  
 23806 *Solanum*  
 23807 grass  
 23808  
 23809 ? *Spart*  
 23810 *Eupatorium*  
 23811 *Solan*? ml.  
 23812 *Piper*  
 23813 *Pal.*  
 23814 *Psychotria*  
 23815  
 23816 ? *Mim.*  
 23817 *Sporobolus*  
 23818 ? *Mim.*  
 23819 *Agave*  
 23820 ? *mo.*  
 23821 moss  
 23822 *Mimosa*  
 23823 *Peperomia*  
 23824 *Dalechampsia*  
 23825 *Linanthus tenuis*  
 23826 *Polypodium*  
 23827 *Rub.*  
 23828 *Isoschilus*  
 23829 *Rub.*  
 23830  
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 23834

H 3-5' cor. tube pale pur., lobes  
 fil. + sty. pale pur.,  
 fulvous-luteous br. y.  
 H  
 H  
 H bracts w.  
 H tangled, 3-4'  
 H 4-7' pet. y.  
 S 6-8' cor. pale bl.;  
 ant. y.  
 H 2-4'  
 T 20-30'  
 S 10-15' pet. w.  
 S 4-6' cor. tube gnath.; lobes  
 & sty. bl.  
 S 6-10' bracts br. p.; cor. tube  
 pur., lobes w. within.  
 S 6-8'  
 H 0  
 S 8-15' cor. o. fr. deep r.  
 to pur.  
 S 8-12' buds fresh g.  
 T 15-20'  
 H 0  
 H 2-4' cor. w.  
 H 2-4' cor. red p.  
 H 1.5-3' per. green w.  
 fl. spikes 1-2.5' lvs. mottled  
 T 20-30' pet. w. ant. y.  
 or moist soil.  
 S 8-12' sta. y.  
 H rep.  
 H enc. Spikes deep pi.  
 H V Bracts light gr.  
 H Cor. light gr., wh. prox.  
 H ± 2' flowers y.  
 S slender  
 S 4-5' br. gr.  
 E H fr. gr.  
 S slender  
 S 2-4' fr. light bl

May 31 thickets

pale pur. with a darker edge & a dark spot in center. in  
 ant. y. sty. deeper dist.

La Merced

ant. pur.

gr. 7 w.

growing near house  
June 1 woods

Guimiri Bridge

From here on see next  
 book, p. 2



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